



# VICTORIAN YEAR BOOK

1990



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**VICTORIAN YEAR BOOK 1990**

**Number 103**

**VICTORIAN  
YEAR BOOK  
1990**

**NUMBER 103**

**R.A. CROCKETT**  
**DEPUTY COMMONWEALTH STATISTICIAN**

**AUSTRALIAN BUREAU OF STATISTICS  
VICTORIAN OFFICE**



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# CONTENTS

Preface	vii
General information	viii
<b>WARRNAMBOOL : PREMIER TOWN 1988-1991</b>	1
<i>Introduction 1, Warrnambool 'Capital of the West' 1, Warrnambool City-Statistical highlights 4</i>	
<b>1 GEOGRAPHY, AND GOVERNMENT</b>	9
<i>GEOGRAPHY: Geographic position and area 9, Coastline 9, Physical divisions 10, REGIONS: Statistical divisions 10, Australian Standard Geographical Classification (ASGC) 10, Statistical districts 11, CLIMATE: General conditions 11, Climate in Melbourne 11, Rainfall 12, GOVERNMENT: The Constitution 14, Victorian Government responsibilities 14, Ministry 15, Victorian government departments and statutory authorities 16, Victorian representation in the Commonwealth Parliament 16, Local government administration 16</i>	
<b>2 DEMOGRAPHY</b>	18
<i>Population 18, Age distribution 18, Population increase 18, Births 19, Deaths 19, Marriages 19, Divorces 19, Birthplace, citizenship, and Language 20, Ancestry 21, Religion 21</i>	
<b>3 LABOUR</b>	48
<i>Employment and unemployment 48, Youth unemployment 48, Participation rate 55, Industry and occupation 55, Earnings and hours 58, Labour costs 61, Persons employed at home 63, Superannuation 64, Labour force status and educational attendance 64, Labour mobility 64, Labour force status and educational attainment 64, Transition from education to work 64, Training expenditure statistics 66, Underemployed workers 67, Job search experience of unemployed persons 67, Persons who left the labour force 68, Persons not in the labour force (including discouraged jobseekers) 68, Labour force experience 68, Industrial disputes 68, Trade union membership 70</i>	
<b>4 SOCIAL</b>	72
<i>EDUCATION: Schools 72, Higher education 72, HEALTH: Medicare 78, Hospitals 78, Public hospital morbidity 79, Causes of death 83, SOCIAL WELFARE: Overview 86, CRIME AND JUSTICE: Major crime 90, Prisoners and offenders 90, Uniform crime statistics 90</i>	
<b>5 VICTORIA: A BROAD ECONOMIC OVERVIEW</b>	93
<i>National Accounts 93, General trends 93, Trends in industries 93, Labour force 94</i>	
<b>6 AGRICULTURE</b>	104
<i>Introduction 104, Victoria compared with Australia 104, Scope of the Agricultural Census 104, AGRICULTURAL COMMODITIES: Field crops 109, Wheat 109, Oats 111, Barley 111, Maize 111, Oil seeds 112, Grain legumes 112, FRUIT: Area planted 115, Tree fruit 115, Small fruit 116, Nuts 116, Grapes 116, OTHER INTENSIVE CROPS: Vegetables 116, Tobacco 116, Hops 117, Plant nurseries 117, LIVESTOCK AND LIVESTOCK PRODUCTS: Sheep 120, Sheep breeds 120, Lambing 121, Mutton and lamb production 121, Meat cattle 121, Milk cattle 121, Pigs 121, Poultry 121, Apiculture 122</i>	

7	MANUFACTURING, MINING, AND ENERGY	128
	MANUFACTURING: Overview 128, Victoria compared with Australia 128, Number of establishments 128, Employment 128, Melbourne Statistical Division (MSD) 129, Turnover and value added 129, Wages and salaries 130, Major manufacturing industries 130, Industry profile - Food, beverages and Tobacco, Victoria (ASIC subdivision 21) 130, MINING: Overview 140, Oil and gas production 140, Brown coal 140, Gold 141, ENERGY: Overview 143, Electricity generated 143, Petroleum marketed 144	
8	COMMERCE	146
	Introduction 146, Overview 146, RETAILING IN THE 1980s: Victoria compared with Australia 146, Retail industries 147, Survey of retail establishments 148, PRICE INDEXES: Introduction 149, Consumer Price Index 149, HOUSEHOLD EXPENDITURE SURVEYS: The 1988-89 Survey 152, EXTERNAL TRADE: Exports 154, Imports 154	
9	FINANCE	160
	Public finance 160, Outlays 160, Revenue 160, Commonwealth Government payments to Victoria 166, Non-bank finance 169	
10	CONSTRUCTION	173
	Construction industry activity 173, Building construction 173, Non-residential building 173, Residential building 174, House commencements and housing loans 175, Material of outer walls 179, Regions 179, Home purchase assistance 185, Rental housing assistance 185, Engineering construction 186	
11	TRANSPORT, COMMUNICATION, AND TOURISM	188
	TRANSPORT: Introduction 188, Metropolitan transport 188, Rail 189, Bus 190, Roads and motor vehicles 190, Road traffic accidents 192, Air transport 194, COMMUNICATIONS: 196, TOURISM: 197	
	APPENDIX: HISTORICAL STATISTICS	202
	INDEX	258
	FIGURES	
	1 Locality map of Warrnambool	8
	2 Average annual rainfall of Victoria	13
	3 Victorian Statistical Divisions	pages 22 and 23
	4 The labour force framework, Victoria, March 1988	49
	5(a) Labour Force Regions, Victoria	53
	5(b) Labour Force Regions, Melbourne Statistical Division	53
	6 Melbourne Statistical Division	facing page 57
	ACKNOWLEDGEMENTS	
	The special article on Warrnambool (Premier Town 1988-1991) was adapted from the publication "Warrnambool, Jewel of the West" by K. Stepnell. Thanks are also extended to Mrs Sally Clark, Tourism Co-ordinator, City of Warrnambool, for her valued assistance and advice.	

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# PREFACE

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I have much pleasure in introducing the 103rd edition of the *Victorian Year Book*.

As we enter a new decade it is perhaps opportune to reflect briefly on the 1980's and to speculate on the possible challenges to be faced in the coming ten years.

The 1980's saw a period of considerable change for the ABS, particularly with regard to information technology, which had a significant impact on the operations of the ABS. The dissemination mediums in particular were revolutionised with the advent of *Viatel*, *Ausstats* and products such as *CDATA86*, a C-D ROM based application used to disseminate population census statistics. These products, combined with a far stronger desire and need to know and understand more clearly our customer requirements has led to the recent advent of an information consultancy service, where users can obtain quality statistical advice for a nominal fee. A significant impact of this consultancy service, it is hoped, will be a further raising of the awareness of decision makers about the existence of statistical information and the ways and means of utilising it. The consultancy service is being supported by new products such as *4-SITE*, a package which enables speedy access to a number of the latest data bases and provides a statistical report tailored to the customers specific needs.

The new decade, I am sure, will see more change in how the ABS goes about assisting and encouraging informed decision-making, research, and discussion within government and the community. Changes in the structure of the economy and in our society will result in new demands and the need to modify our statistical base.

While all these changes are taking place, there is still a large demand for traditional hard copy general reference publications. *The Victorian Year Book* contains the more important economic and social statistics on the State and as such provides an authoritative and permanent record of the period under review.

R.A. CROCKETT  
Deputy Commonwealth Statistician  
March 1990



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# GENERAL INFORMATION

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## Symbols

The following symbols mean:

- cr. credit
  - dr. debit
  - n.a. not available
  - n.e.c. not elsewhere classified
  - n.e.i. not elsewhere included
  - n.e.s. not elsewhere specified
  - n.p. not available for publication, but included in totals where applicable
  - n.y.a. not yet available
  - p preliminary - figure or series subject to revision
  - r figure or series revised since previous issue
  - .. not applicable
  - nil or rounded down to zero
  - break in continuity of series (where a line drawn across a column between two consecutive figures)
  - \* subject to sampling variability too high for most practical purposes
- M, males; F, females; T, total

## Other forms of usage

The following abbreviations are used for the titles of the Australian States and Territories and Australia: NSW (New South Wales), Vic. (Victoria), Qld (Queensland), SA (South Australia), WA (Western Australia), Tas. (Tasmania), NT (Northern Territory), ACT (Australian Capital Territory), and Aust. (Australia).

Yearly periods shown as, e.g. 1988 refer to the year ended 31 December 1988. Those shown as, e.g. 1987-88 refer to the year ended 30 June 1988. Other yearly periods are specifically indicated.

Values are shown in Australian dollars (\$) or cents (c) unless another currency is specified.

All data are presented in metric terms.

Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

## Availability of ABS publications

The Victorian Office of the Australian Bureau of Statistics (ABS) maintains an Information Referral Service, which provides advice on what products are available to best meet users needs, as well as a library in which all publications of the ABS are available for reference. Businesspeople, government officers, students, and members of the public are invited to make use of these services.

Information regarding the availability of ABS publications can be obtained from the Information Services Section, Australian Bureau of Statistics, Box 2796Y, G.P.O., Melbourne, 3001, phone (03) 615 7000.

All publications issued by the ABS are contained in the *Catalogue of Publications, Australia* (1101.0) which is available from any ABS Office.



# WARRNAMBOOL : PREMIER TOWN 1988-1991



## Introduction

The title of Victorian Premier Town is awarded triennially by a panel of judges from the Develop Victoria Council. Warrnambool is the current recipient of this prestigious award, having previously won it in 1958 (the inaugural award) and 1979.

The competition is judged on heritage and environment, community participation, industrial and commercial development, tourism, land use, planning, public works and community facilities. The title of Premier Town is regarded as being advantageous for local business and tourism, as well as being a boost for residents.

Port Fairy, a neighbouring town of Warrnambool, currently holds the title of Victoria's premier smaller town.

## Warrnambool 'Capital of the West'

Warrnambool is a flourishing coastal city of approximately 24,000 people, 260 km west of Melbourne. It is an ideal centre to explore and view the host of attractions that abound in the city and surrounding areas.

The name Warrnambool is derived from an Aboriginal word meaning "Plenty of Water". Warrnambool has the distinction of being Victoria's 6th largest city and the largest one on the ocean coastline. With sweeping beaches, cliff formations, heritage walks, museums, modern shopping centres and old and new buildings, Warrnambool has attractions to interest everyone.

In the city itself, one of the notable attractions is the Flagstaff Hill Maritime Village. From 1975, when the first stage of the Maritime Village was opened to the public, the area has developed to be recognised as one of the best Maritime Museums in Australia. The impressive stone buildings have been rebuilt in the same style and era as in the early days. Reconstruction and restoration of the ships moored in the harbour has provided a touch of added charm and tranquility. Along with the village setting, the displays of provisions and stores that were needed by the early sailors provide a most interesting and educational insight to life in the 19th Century.

Lake Pertobe is another attraction at Warrnambool that caters for both young and old. Covering an area of 35 hectares, this beautiful reserve is designed for active recreation and is located only a few minutes from the city. Originally, Lake Pertobe was a swamp area, but through community co-operation, City Council initiative and assistance from service clubs, this playground is now regarded as one of the best of its type in Australia. Flying foxes, tight-rope walks, paddle boats, canoes, slides and many other attractions complement the picnic and barbecue facilities within the reserve.

Warrnambool is fortunate in having fine Botanical Gardens, designed by R.W. Guilfoyle, who was responsible for the design of the Melbourne Botanical Gardens. The magnificent gardens at Fletcher Jones provide a special attraction for visitors and the Fletcher Jones organisation has won many industrial garden awards.

Art and culture have an important impact on community life in Warrnambool. In 1986, a new Art Gallery was completed on the civic green, opposite the imposing Performing Arts Centre, where regular amateur and professional entertainment is staged for visitors and residents of the City and district.

The annual May Racing Carnival, is highlighted by the Grand Annual Steeplechase, the longest Steeplechase race in Australia. Warrnambool is also renowned for the Melbourne to Warrnambool cycle race which is held in October of each year. The annual "Wunta Festival" held each February is a combination of delightful food and festivities, concluding with the international "Whale Boat Races" on the Hopkins River. The Annual Warrnambool Gift attracts top athletes from around Australia. Over forty Sporting Organisations provide regular activities, and assist in making Warrnambool a most exciting community.

Another attraction that has given Warrnambool national recognition is the annual appearance of the Southern Right Whales. For a number of years the whales have returned to Logans Beach to calve. During the winter months these magnificent creatures bring joy and amazement to hundreds of visitors who watch them frolic in the sea from the vantage points at Logans Beach.

Warrnambool and district is fortunate in having a number of major secondary industries including the Nestles Milk Condensing Plant at Dennington, the Fletcher Jones Organisation, and Warrnambool Textiles. In addition, Kraft Foods at Allansford and Murray Goulburn at Koroit operate important cheese and milk processing and packaging factories.

The Warrnambool area is rich in many forms of agriculture, including potato and onion growing in the Koroit district. Dairying, sheep and fat cattle production are also an important aspect of the regional economy.

Excellent education facilities are available in this area of Victoria. Primary schools, secondary schools, technical schools, Warrnambool Institute of Advanced Education and the South West College of TAFE cater for all age groups.

A short drive from the City is the Tower Hill State Game Reserve. In the early 1860s settlers denuded the vegetation of Tower Hill; however in 1961 the then Fisheries and Wildlife Department, the local Field Naturalists, service clubs and school children began replanting the Reserve as it had been portrayed by the painter Eugene von Guerard. In the years since 1961, over 250,000 trees and shrubs have been planted. The efforts of these conservationists are now



being enjoyed by the thousands of people who visit the Reserve each year. Visitors also enjoy the countless number of native birds and animals which have returned to this Sanctuary.

Hopkins Falls is another popular spot for visitors, especially during the winter months when the Falls become a raging torrent, with water pouring over the rock face. During summer, the Falls present another attraction as tiny elvers climb the rocks and head for the inland waters.

Visitors to Warrnambool can enjoy a variety of day trips. The Port Campbell National Park is one of the world's great coastal spectacles, with the most well-known attraction being the Twelve Apostles. However, the raging seas at London Bridge, the narrow cliff entrance to Loch-Ard Gorge and the historical Loch-Ard Cemetery also create great interest. To the west of Warrnambool, Port Fairy has all the character of an early English fishing village with a variety of fishing boats moored in the Moyne River. The Grampians to the north-west of Warrnambool offer visitors a further choice of beautiful scenery.

The Warrnambool of today is a far cry from the Warrnambool Bay that was discovered by Baudin, the French explorer and scientist. It is believed that Baudin in 1802 was the first European to see the coastal landmarks at Warrnambool. The legend of the Mahogany Ship is still sought by interested locals and scientists. If recovered, the mysterious Mahogany ship could rewrite Australia's history by proving that the South East coast was first sighted by Portuguese explorers in 1522. Time alone will determine if the sand dunes west of Warrnambool will reveal the answer.

The City of Warrnambool has been fortunate over the years to have far sighted and civic minded people who have progressively developed the City and who have been able to preserve and beautify the many natural attractions within the area. These efforts have contributed to the City's proud record of winning the prestigious "Premier Town Award" for an historic third time.

Warrnambool is regarded as the regional commercial centre for Western Victoria. It also provides an excellent range of shopping facilities. An active Development Board provides support and encouragement to all existing and intending businesses in the City. Warrnambool readily justifies its title as the "Capital of the West".

## WARRNAMBOOL CITY - STATISTICAL HIGHLIGHTS

- Age:** The largest age grouping is the 10-19 year group, representing 18 per cent of the population.
- Occupation:** Sales and Service formed the most frequent occupation at 18 per cent of the total employed population.
- Income:** While 26 per cent of families were in the high income bracket, 71 per cent of individuals earned under \$15,000.
- Language:** The most commonly spoken language after English is Dutch.
- Couples:** Of all the couples in this area 43 per cent were both employed and 34 per cent had only one member employed.

The majority of this statistical information is produced from the ABS decision makers package called 4-SITE. The data provided is from the 1986 *Census of Population and Housing* and from the *Census of Retail Establishments*.

## AGE IN 10 YEAR GROUPS

Age	Number	Per cent
0-9	3,450	15.2
10-19	4,087	18.0
20-29	3,812	16.8
30-39	3,272	16.8
40-49	2,216	9.8
50-59	2,009	8.8
60-69	1,197	8.4
70-79	1,318	5.8
80+	625	2.8

## BIRTHPLACE

Country	Number	Per cent
Australia	20,924	94.5
England	502	2.3
Scotland	140	0.6
New Zealand	85	0.4
Germany	47	0.2
Italy	34	0.2
Greece	18	0.1
Yugoslavia	17	0.1
Poland	8	0.0
Malta	4	0.0
Vietnam	2	0.0
Others	354	1.6

## LANGUAGES SPOKEN

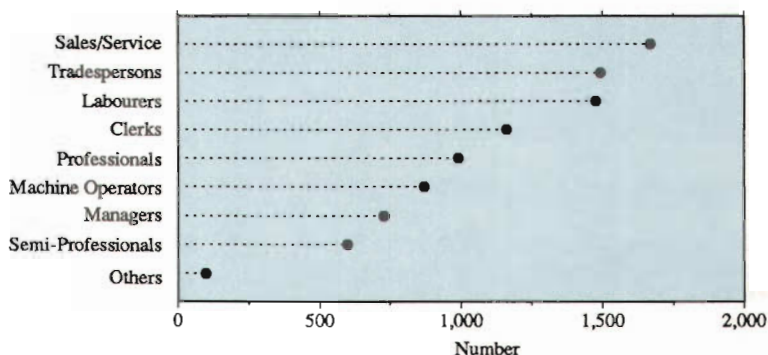
Language	Number	Per cent
English only	20,615	98.0
Dutch	65	0.3
Greek	57	0.3
Italian	55	0.3
Chinese	49	0.2
German	26	0.1

## Occupation

## EMPLOYED PERSONS

<i>Occupation</i>	<i>Number</i>	<i>Per cent</i>
Sales/Service	1,671	18.4
Tradespersons	1,496	16.5
Labourers	1,477	16.2
Clerks	1,161	12.8
Professional	990	10.9
Machine Operators	869	9.6
Managers	719	8.0
Semi-Professional	600	6.6
Others	99	1.1

## OCCUPATION



## Income

## SINGLE PARENTS

<i>Income (\$)</i>	<i>Number</i>	<i>Per cent</i>
0-15,000	279	78.2
15-32,000	78	21.8
32,001+	0	0.0

## COUPLES WITH CHILDREN

<i>Number</i>	<i>Per cent</i>
254	14.3
1,084	61.1
436	24.6

## FAMILIES WITH NO DEPENDENT CHILDREN

<i>Income (\$)</i>	<i>Number</i>	<i>Per cent</i>
0-15,000	837	34.2
15-32,000	976	39.8
32,001+	637	26.0

## TOTAL FAMILIES

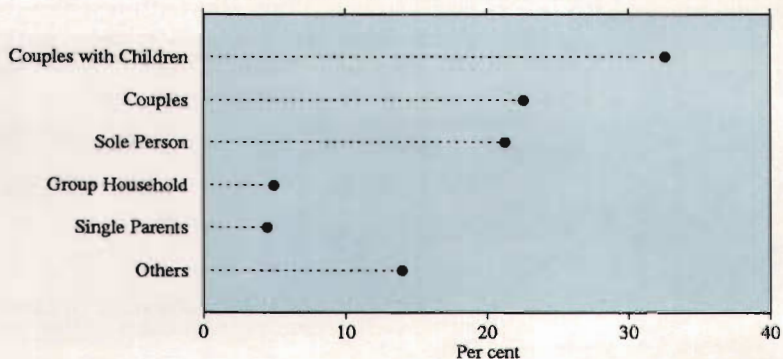
<i>Number</i>	<i>Per cent</i>
1,403	27.9
2,301	45.7
1,329	26.4

## SOLE PERSONS

<i>Income (\$)</i>	<i>Number</i>	<i>Per cent</i>
0-9,000	8,094	50.8
9-15,000	3,165	19.9
15-22,000	2,972	18.6
22-32,000	1,323	8.3
32,001+	388	2.4



## HOUSEHOLD COMPOSITION



## Transport

## NUMBER OF CARS PER HOUSEHOLD

Cars	Number	Per cent
0	846	11.2
1	3,337	44.3
2	2,599	34.5
3	756	10.0
Total	7,538	100

## METHOD OF TRAVEL TO WORK

Method	Number	Per cent
Public Transport	171	2.21
Motor vehicle	6735	85.6
Other	959	12.2
Total	7,865	100

## Housing

## WEEKLY RENTAL PAYMENTS

Rent (\$)	Number	Per cent
0-99	1,686	84.6
100-199	295	14.8
200+	13	0.7
Total	1,994	100

## MONTHLY MORTGAGE REPAYMENTS

Repayments (\$)	Number	Per cent
0-299	1,421	62.0
300-599	722	31.5
600	150	6.5
Total	2,293	100

## NATURE OF OCCUPANCY

Type	Number	Per cent
Owned	2,889	37.8
Buying	2,375	31.0
Renting	2,058	26.9
Other	329	4.3

## Retail Industry

## RETAIL ESTABLISHMENTS

	1979-80	1985-86	Percentage change*
No. of Establishments	300	326	8.7
Retail Turnover	91,287	208,319	128.2
Wages and Salaries	8,850	17,646	99.4
Persons Employed	1,676	2,257	34.7

\*CPI increases for the period June 1980 to June 1986 totalled 48%.

## RETAIL ESTABLISHMENTS

Type of store	Number	Comparison*
Department	2	0
General	1	0
Clothes - Male	10	6
Clothes - Female	27	19
Footwear	9	5
Fabrics/Textile	10	7
Floor Covering	4	2
Furniture	10	5
Domestic Hardware	11	8
Jewellers	9	5
Music	4	2
Household Appliances	11	8
New Motor Vehicles (a)	33	19
Used Motor Vehicles	8	5
Service Station	12	10
Smash Repairs	13	9
Motor Cycle Dealer	5	1
Boat & Caravan	3	1
Type/Battery	8	2
Grocery/Tobacco	28	21
Butchers	14	10
Fruit/Vegetable	4	6
Liquor	2	2
Bread/Cake	2	3
Milk Bar/Take Away Food	41	35
Pharmacies	7	9
Photographic	1	1
Sports/Toy	10	6
Newsagent/Bookshop	10	8
Second Hand Goods	3	5
Nursery/Florist	6	6
Other Retailing	8	6
<b>Total</b>	<b>326</b>	<b>232</b>

\*Based on the figures for Melbourne Metropolitan Area (excluding the Central Business District), this shows the number of establishments that would be expected with a population of the size of your chosen region.

(a) This class consists of establishments mainly engaged in wholesaling or retailing new motor vehicles (including trucks or commercial motor vehicles), in retailing new motor vehicle parts or accessories, in leasing or hiring motor vehicles, or in motor vehicle repair.

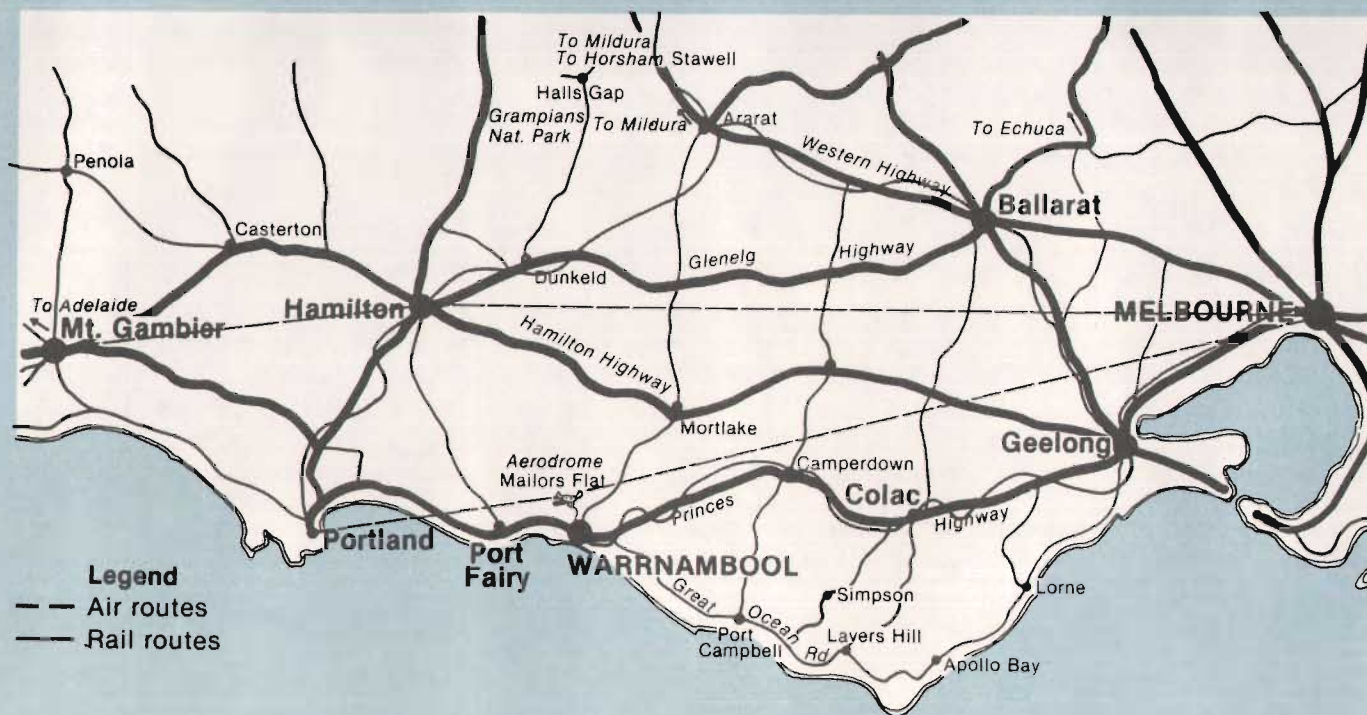


Figure 1. Locality Map of Warrnambool.

*Map courtesy of Warrnambool Tourist Information Centre*



WARRNAMBOOL  
PREMIER TOWN 1988-1991

*Clockwise from top:*

View over the City Centre.  
(Photo: K. Stepnell)

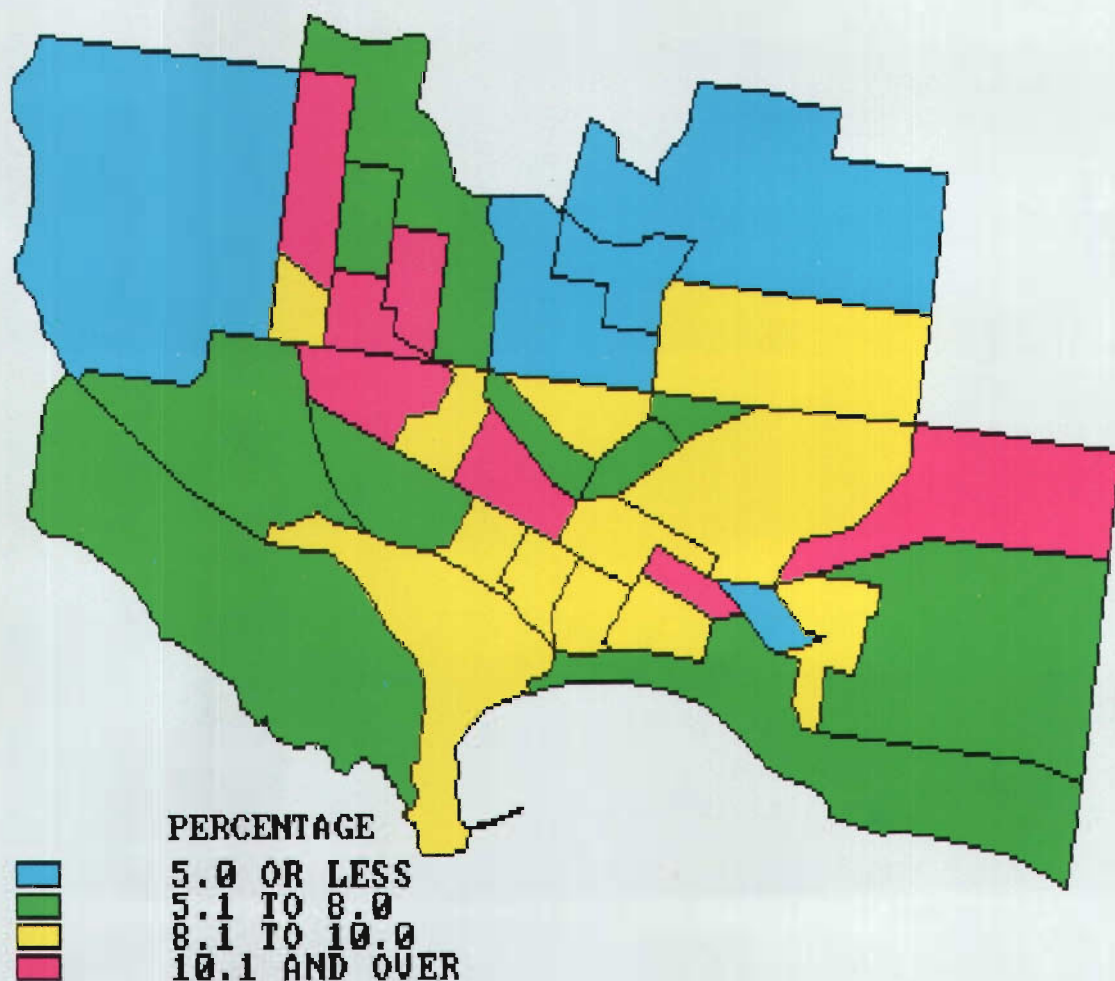
Flagstaff Hill, 19th Century Maritime  
Village.  
(Photo: Victorian Tourist  
Commission)

The Southern Right Whale and Calf.

Port Fairy lighthouse on Griffith  
Island.  
(Photos: K. Stepnell)



# CITY OF WARRNAMBOOL - 1986 CENSUS UNEMPLOYMENT RATE



## ***AN EXAMPLE OF THE MAPPING CAPABILITIES OF CDATA86***

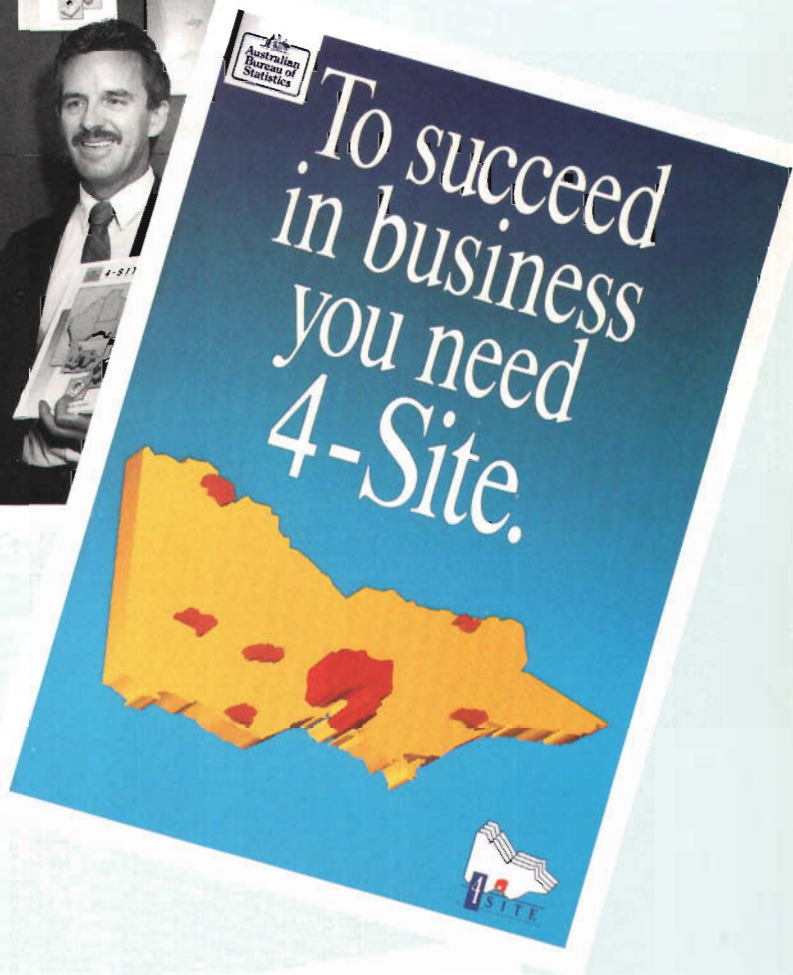
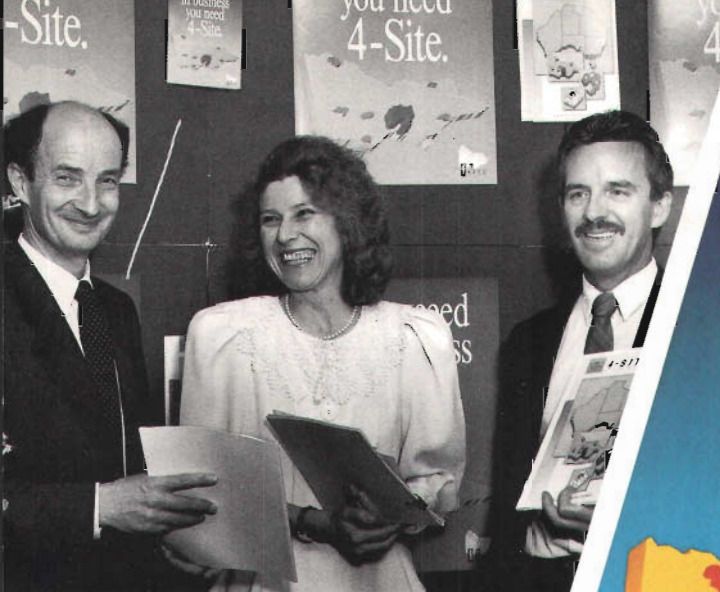
CDATA86 provides Census information for very small geographical areas known as Census Collection Districts (CD). For each CD there is a vast array of demographic, financial and lifestyle information, covering the age of the population, housing, income, education and occupation. This information can be displayed by:

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- ◆ Postcodes
- ◆ Combinations of CDs
- ◆ Electorates
- ◆ A radius from a user chosen central point

**CDATA86 is available on compact disk (CD-ROM) with Supermap software for ease of access.**

**Call (03) 615 7865 for a no-obligation demonstration.**





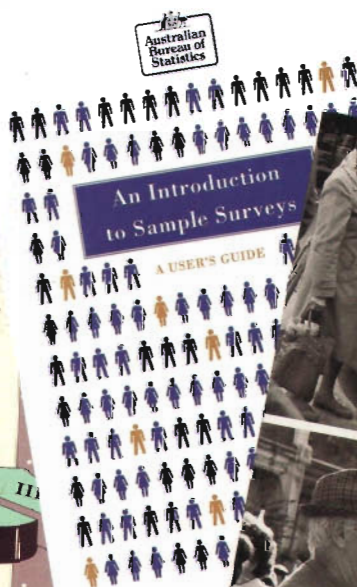
#### ABS STATISTICAL PUBLICATIONS

Above:  
Launching the product 4-Site,  
November 1989. David White,  
Minister of Industry, Technology and  
Resources; Susan Holmes, General  
Manager, Small Business  
Development Corporation; and Dick  
Crockett, Deputy Commonwealth  
Statistician, Victoria.

(Photo: Don McPhedran)

#### Below:

A selection of new titles produced by  
ABS Victoria during 1989.





VICTORIA'S FAUNAL AND FLORAL  
EMBLEMS

*Clockwise from top right:*

Helmeted Honeyeater, one of the  
rarest birds on earth.

(Photo: Len Robinson)

Common (Pink) Heath (*Epacris  
Impressa* Labill.)

Leadbeater's Possum.

(Photos: Department of Conservation,  
Forests and Land)



# GEOGRAPHY AND GOVERNMENT

## GEOGRAPHY

### Geographic position and area

The most southerly point of Wilsons Promontory, in latitude 39° 08' S., longitude 146° 22' 30" E., is the southernmost point of the mainland of Victoria and similarly of the mainland of Australia; the northernmost point is where the western boundary of the State meets the Murray River, latitude 33° 59' S., longitude 140° 58' E; the point furthest east is Cape Howe, situated in latitude 37° 31' S., longitude 149° 58' E. The westerly boundary lies upon the meridian 140° 58' E., and extends from latitude 33° 59' S. to latitude 38° 04' S., a distance of 451 kilometres.

Victoria covers an area of about 227,600 square kilometres. It is therefore slightly smaller than Great Britain which (if inland water is included) contains 229,900 square kilometres.

TABLE 1.1 AREA OF STATES AND TERRITORIES

<i>State or Territory</i>	<i>Area in square kilometres</i>	<i>Percentage of total area</i>
Western Australia	2,525,500	32.88
Queensland	1,727,200	22.48
Northern Territory	1,346,200	17.52
South Australia	984,000	12.81
New South Wales	801,600	10.44
Victoria	227,600	2.96
Tasmania	67,800	0.88
Australian Capital Territory	2,400	0.03
<b>Australia</b>	<b>7,682,300</b>	<b>100.00</b>

### Coastline

The Victorian coastline comprises many types of environments. Broad sandy beaches and impressive cliffed headlands along the ocean coast contrast with mangrove-fringed mudflats and marshland of the sheltered embayments and estuaries. There are approximately 1,200 kilometres of ocean coast between Cape Howe and the South Australian border; in addition three large embayments — Port Phillip Bay (260 kilometres), Western Port Bay (140 kilometres), and Corner Inlet (80 kilometres) — partially enclose protected waters where most of the ports and harbours are situated.



**Physical divisions**

The chief physical divisions of Victoria are shown below. Each of these divisions has certain physical features (elevation, geological structure, climate, and soils) which distinguish it from the others.

1. Murray Basin Plains:
  - (a) The Mallee
  - (b) The Riverine Plains
  - (c) The Wimmera
2. Central Highlands:
  - A. The Eastern Highlands
  - B. The Western Highlands:
    - (a) The Midlands
    - (b) The Grampians
    - (c) The Dundas Tablelands
3. Western District Plains:
  - (a) The Volcanic Plains
  - (b) The Coastal Plains
4. Gippsland Plains:
  - (a) The East Gippsland Plains
  - (b) The West Gippsland Plains
5. Southern Uplands:
  - (a) The Otway Ranges
  - (b) The Barrabool Hills
  - (c) The Mornington Peninsula
  - (d) The South Gippsland Highlands
  - (e) Wilsons Promontory

The following table lists Victoria's highest mountains:

**TABLE 1.2 HEIGHT OF SELECTED MOUNTAINS, VICTORIA**  
(metres)

<i>Mountain</i>	<i>Height</i>	<i>Mountain</i>	<i>Height</i>
Bogong	1,986	Niggerhead	1,843
Feathertop	1,922	Mckay	1,843
Nelse North	1,883	Cobberas No. 1	1,838
Fainter South	1,877	Cope	1,837
Loch	1,874	Spion Kopje	1,836
Hotham	1,861	Buller	1,804

**REGIONS****Statistical divisions**

In 1974 Victoria was divided into twelve statistical divisions, the standard Australian Bureau of Statistics regions, which were combinations of legal local government areas forming coherent socio-economic zones.

These statistical divisions correspond with the regions adopted by the Victorian Government in October 1981 except in the cases of the Metropolitan region and, because of consequential effects, the Central Highlands and Loddon-Campaspe regions. The Victorian Government's Metropolitan region comprises the Melbourne and East Central Statistical Divisions, and the Shires of Bacchus Marsh and Gisborne. Statistical divisions are subject to change.

**Australian  
Standard  
Geographical  
Classification  
(ASGC)**

Since January 1986, ABS geographical division and nomenclature have been based on the Australian Standard Geographical Classification (ASGC). Each geographic area (or spatial unit) in the classification (such as the Melbourne Statistical Division) constitutes a particular 'category' of the classification, and all spatial units of a particular type which together cover a defined area, eg all statistical Divisions in Australia, constitute a particular 'hierarchy level' of the classification.

- Statistical districts** For statistical purposes, certain areas comprising Statistical local areas or parts thereof have been designated statistical districts. In Victoria, these are the Albury-Wodonga, Ballarat, Bendigo, Geelong, Morwell, and Shepparton-Mooroopna Statistical Districts.

## CLIMATE

- General conditions** The major topographical determinant of the climate is the Great Dividing Range, running east-west across the State, and rising to nearly 2,000 metres in the eastern half. This acts as a barrier to the moist south-east and south-west winds and together with its proximity to the coast, causes the south of the State to receive more rain than the north.

To the south of Victoria, except for Tasmania and its islands, there is no land for 3,000 kilometres. This vast area of ocean has a moderating influence on Victoria's climate in winter. Snow, which is a common winter occurrence at similar latitudes on the eastern seaboard of the great land masses of the northern hemisphere, is rare in Victoria below elevations of 600 metres. To the north of Victoria, the land mass of Australia becomes very hot in the summer, and on several days at this time of year the temperature over the State may rise to between 35°C and 40°C, often with a strong northerly wind.

## Climate in Melbourne

The proximity of Port Phillip Bay bears a direct influence on the climate of the metropolitan area. The hottest months in Melbourne are normally January and February, when the average maximum temperature is 26°C. Inland, Watsonia has an average of 27°C, while along the Bay, Aspendale and Black Rock, subject to any sea breeze, have an average of 25°C. This difference does not persist throughout the year, however, and in July average maxima at most stations are within 1°C of one another at approximately 13°C. The hottest day on record in Melbourne was 13 January 1939, when the temperature reached 45.6°C. This is the second highest temperature ever recorded in an Australian capital city. In Melbourne, the average number of days per year with maxima over 35°C is about nine, but there were twenty-five in the summer of 1897-98 and there has been only one year with no occurrences, namely 1984. The average annual number of days over 30°C is approximately twenty-nine.

Nights are coldest at places a considerable distance from the sea, and away from the city where heat retention by buildings, roads, and pavements may maintain the air at a slightly higher temperature. The lowest temperature ever recorded in the city was -2.8°C on 21 July 1869, and the highest minimum ever recorded was 30.6°C on 1 February 1902.

In Melbourne the overnight temperature remains above 20°C on about four nights per year. During the early years of record, temperatures below 0°C were recorded during most winters. However, over more recent years, the urban 'heat island' effect has resulted in such low temperatures occurring only once in two years on average. Minima below -1°C have been experienced during the months of May to August, while even as late as October extremes have been down to 0°C. During the summer, minima have never been below 4°C.

Wide variations in the frequencies of occurrences of low air temperatures are noted across the Melbourne metropolitan area. For example, there are



approximately ten annual occurrences of 2°C or less around the Bay, but frequencies increase to over twenty in the outer suburbs and probably to over thirty a year in the more frost susceptible areas. The average frost-free period is about 200 days in the outer northern and eastern suburbs, gradually increasing to over 250 days towards the city, and approaching 300 days along parts of the bayside.

The means of the climatic elements for the seasons in Melbourne, computed from all available official records, are given in Table 1.3.

## Rainfall

The average annual number of days of rain (0.2mm or more in 24 hours) is over 150 on the West Coast and in West Gippsland, and exceeds 200 over the Otway Ranges. The average number of wet days a year is reduced to 100 at a distance of approximately 160 kilometres inland from the coast. The distribution of rainfall in Victoria by districts is given in Table 1.4.

Distribution of average rainfall in Victoria is shown in Figure 2 on page 13. Average rainfall ranges from 250mm for the driest parts of the Mallee to 2,600mm at Falls Creek in the Alps.

TABLE 1.3 MEANS OF CLIMATIC ELEMENTS, MELBOURNE

<i>Meteorological element</i>	<i>Spring</i>	<i>Summer</i>	<i>Autumn</i>	<i>Winter</i>
Mean atmospheric pressure (hectopascals)	1,015.0	1,013.2	1,018.3	1,018.5
Mean maximum temperature of air in shade (°C)	19.5	25.2	20.2	14.0
Mean minimum temperature of air in shade (°C)	9.3	13.7	10.7	6.3
Mean relative humidity at 9 a.m. (per cent, saturation = 100)	64	61	72	79
Mean rainfall (mm)	186	154	168	148
Mean number of days of rain	40	25	34	44
Mean amount of evaporation (mm) (a)	360	559	283	140
Mean daily amount of cloudiness (scale 0 to 8) (b)	4.9	4.2	4.8	5.2
Mean daily hours of sunshine (c)	6.6	8.4	5.6	4.6
Mean number of days of fog	1.4	0.6	5.8	10.3

(a) Measured by Class A Pan (records commenced 1967).

(b) Scale: 0 = clear, 8 = overcast.

(c) Measured at Laverton (records commenced 1968).

## AVERAGE ANNUAL RAINFALL

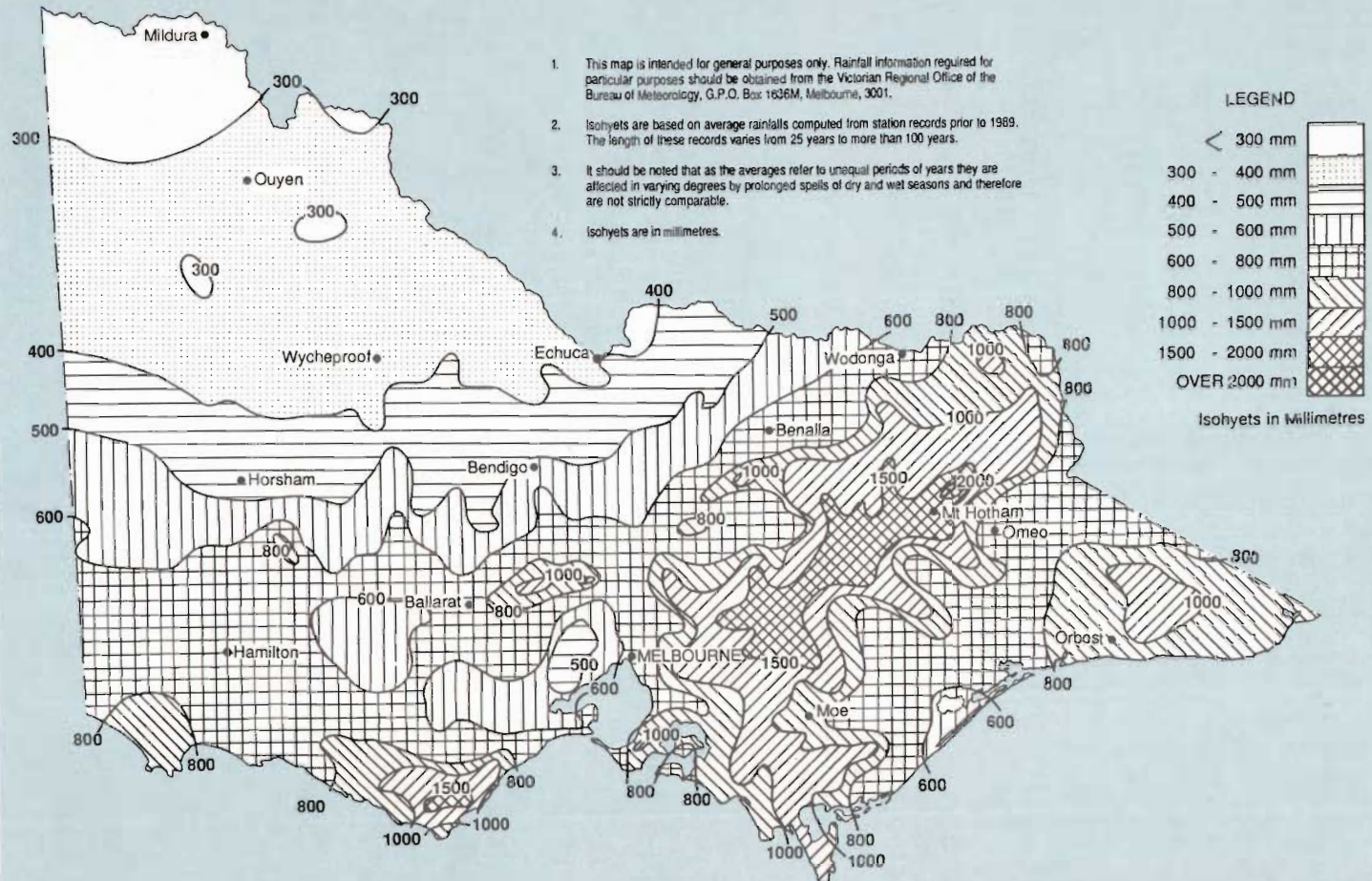


Figure 2. Average annual rainfall of Victoria. Source: Bureau of Meteorology



**TABLE 1.4 RAINFALL IN DISTRICTS, VICTORIA**  
(mm)

District	Year						Average (a)
	1983	1984	1985	1986	1987	1988	
North Mallee	392	260	270	357	316	348	309
South Mallee	437	283	316	414	378	408	352
North Wimmera	484	337	391	415	400	441	412
South Wimmera	605	498	440	616	547	630	504
Lower North	532	407	400	420	364	537	431
Upper North	630	485	492	516	452	634	515
Lower Northeast	935	793	769	910	688	954	779
Upper Northeast	1,124	932	1,023	1,289	1,068	1,341	1,102
East Gippsland	868	819	1,062	576	639	868	776
West Gippsland	988	920	953	959	828	982	915
East Central	887	851	892	965	859	931	890
West Central	680	536	646	611	690	635	611
North Central	832	719	751	858	815	920	728
Western Plains	722	613	612	659	634	592	630
West Coast	873	792	814	849	724	760	776

(a) Average for 76 years 1913 to 1988.

## GOVERNMENT

The system of government in Victoria provides for responsible Cabinet government based on a legislature of two Houses, the Legislative Assembly (Lower House) and the Legislative Council (Upper House), both elected by Australian citizens over the age of 18. Voting is compulsory.

### The Constitution

From 1855 until 1975, the Constitution of Victoria was contained in the Schedule to an Act of the United Kingdom in 1855, but Victoria finally adopted a Constitution of its own with the *Constitution Act 1975*.

Under the Victorian Constitution, the ultimate executive power is vested in the Crown, and is exercised by the Governor as the Monarch's representative. The Governor is the titular head of the government, while the Premier is the effective head of government. Further information on the powers and function of the Governor may be found on page 60 of the *Victorian Year Book 1986*.

The Constitution is affected by the Commonwealth Constitution enacted by the *Commonwealth of Australia Constitution Act 1900*, an act of the Imperial Parliament, by which legislative and executive powers upon certain specified matters were granted to the Commonwealth Parliament and the Commonwealth Government, some of them exclusively, and provision was made that, in case of inconsistency of valid laws, the Commonwealth law should prevail.

### Victorian Government responsibilities

The Victorian Government is responsible for such things as health, education, law enforcement, administration of justice, the control of resources, and the provision of roads, water, sewerage, power, and other services. Under Victorian law a complete system of courts, a police force, a teaching service, and many statutory bodies have been established.



TABLE 1.5 ELECTORS ON JOINT ROLLS, VICTORIA, 30 JUNE

Year	Number of electors enrolled	Year	Number of electors enrolled
1984	2,542,452	1987	2,702,932
1985	2,630,653	1988	2,680,181
1986	2,601,091	1989	2,773,200

Source: Australian Electoral Commission

## Ministry

A simultaneous election for the Legislative Council and the Legislative Assembly of the Victorian Parliament was held on 1 October 1988. The 66th Ministry, led by the Hon. John Cain, consisted of the following members as at 11 October 1989.

## LEGISLATIVE ASSEMBLY

The Hon. J Cain	Premier and Minister responsible for Women's Affairs
The Hon. J E Kirner	Deputy Premier and Minister for Education
The Hon. S M Crabb	Minister for Police and Emergency Services, Minister responsible for Corrections and Minister for Tourism
The Hon. R A Jolly	Treasurer
The Hon. J H Kennan	Minister for Transport
The Hon. A McCutcheon	Attorney-General, and Minister for Ethnic Affairs.
The Hon. N A Pope	Minister for Labour and Minister responsible for Youth Affairs
The Hon. T W Roper	Minister for Planning and Environment, Minister for Consumer Affairs and Minister responsible for Aboriginal Affairs
The Hon. B J Rowe	Minister for Agriculture and Rural Affairs.
The Hon. K P Setches	Minister for Conservation, Forests and Lands
The Hon. P C Spyker	Minister for Community Services and Minister responsible for Prices
The Hon. N B Trezise	Minister for Sport and Recreation and Minister responsible for the Olympic Games
The Hon. R W Walsh	Minister for Property and Services and Minister for Water Resources

## LEGISLATIVE COUNCIL

The Hon. E Walker	Minister for the Arts, Minister responsible for Post-Secondary Education, Minister responsible for Major Projects and Leader of the Government
The Hon. D R White	Minister for Industry, Technology and Resources and Deputy leader of the Government.
The Hon. C J Hogg	Minister for Health
The Hon. B T Pullen	Minister for Housing and Construction
The Hon. M A Lyster	Minister for Local Government and Minister responsible for the Aged

## MINISTRIES, VICTORIA 1943 TO 1989 (a)

<i>Ministry and name of Premier</i>	<i>Date of assumption of office</i>	<i>Date of retirement from office</i>	<i>Duration of office (days)</i>
Albert Arthur Dunstan	18 September 1943	2 October 1945	746
Ian Macfarlan, K.C.	2 October 1945	21 November 1945	51
John Cain	21 November 1945	20 November 1947	730
Thomas Tuke Hollway	20 November 1947	3 December 1948	380
Thomas Tuke Hollway	3 December 1948	27 June 1950	572
John Gladstone Black McDonald	27 June 1950	28 October 1952	855
Thomas Tuke Hollway	28 October 1952	31 October 1952	3
John Gladstone Black McDonald	31 October 1952	17 December 1952	48
John Cain	17 December 1952	31 March 1955	835
John Cain	31 March 1955	7 June 1955	69
Henry Edward Bolte, G.C.M.G.	7 June 1955	23 August 1972	6,288
Rupert James Hamer, E.D.	23 August 1972	5 June 1981	3,209
Lindsay Hamilton			
Simpson Thompson, C.M.G.	5 June 1981	8 April 1982	299
John Cain (b)	8 April 1982	Still in office	

(a) A complete list since responsible government in 1855 can be found on pages 741-2 of the Victorian Year Book 1984.

(b) The Hon. John Cain is the son of the Hon. John Cain who held the office of Premier on three occasions between 1945 and 1955.

### Victorian government departments and statutory authorities

Victorian government departments and statutory authorities administer legislation, implement government policy, provide policy advice to government, and supply goods and services to the people of Victoria.

Information concerning Victorian government departments and statutory authorities may be found in previous editions of the *Victorian Year Book*. More recent information may be found in the *Victorian Government Directory*, which is compiled by Information Victoria - Department of Property and Services.

### Victorian representation in the Commonwealth Parliament

The federation of the Australian colonies formally commenced on 1 January 1901. The House of Representatives was seen as representing the people and directly chosen by the people for a maximum three year term on single Member constituencies. The Senate was seen as representing the rights of the States, and Senators are appointed for a six year term with half of them retiring every three years. Senators are chosen directly by the people on a single State wide electorate and on a proportional representation system.

Since the 1984 electoral redistribution Victoria has had 39 members in the House of Representatives, and 12 Senators.

### Local government administration

At 30 June 1989, Victoria was divided, for local government purposes, into 210 municipal districts and the Yallourn Works Area, which was severed from the municipal districts of which it then formed a part by the *State Electricity Commission (Yallourn Area) Act 1947*. For certain purposes it is deemed to be a borough and municipal administration is the responsibility of the Commission, assisted by an Advisory Council. The 210 municipalities comprise 68 cities, 1 rural city, 5 towns, 6 boroughs, and 130 shires.

The only unincorporated areas of Victoria are French Island (154 square kilometres) in Western Port, Lady Julia Percy Island (1.3 square kilometres) off Port Fairy, Bass Strait islands (3.8 square kilometres), Gippsland Lakes (part) (309 square kilometres), and Tower Hill Lake Reserve (5.0 square kilometres) which is within the Shire of Warrambool.

Councils may make by-laws on a number of specified subjects. They exercise functions relating to roads and bridges, for which they have a construction and maintenance responsibility; drainage, water supply and sewerage; building control; community welfare, including infant and pre-school centres, home help, elderly citizens, meals-on-wheels and garbage; parking areas and traffic engineering.

**TABLE 1.6 RATEABLE PROPERTIES, VICTORIA, 30 SEPTEMBER**

<i>Year</i>	<i>Number of rateable properties</i>	<i>Year</i>	<i>Number of rateable properties</i>
1983	1,766,939	1986	1,782,130
1984	1,716,533	1987	1,803,015
1985	1,746,443	1988	1,832,255

#### REFERENCES

##### ABS publications

- Statistical Maps, Victoria* (1103.2)  
*Melbourne Statistical Division Map* (1104.2)  
*Australian Standard Geographical Classification (ASGC)* (1216.0)



## 2

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# DEMOGRAPHY

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Although Victoria is the second smallest state in area, it has one-quarter of the nation's population. Over recent decades a number of factors, including declining birth rates, declining death rates, and relatively low levels of net immigration, have resulted in a marked ageing of Victoria's population, with the rate of population increase being below the Australian average.

### Population

The estimated resident population of Australia was 16.5 million in June 1988. Victoria's estimated resident population was 4.3 million, which represented 26.0 per cent of Australia's population.

Over the five years 1983 to 1988, the rate of growth of Australia's population averaged 1.44 per cent per year. Over the same period the populations of Queensland, Western Australia, the Northern Territory and the Australian Capital Territory have grown more rapidly than the national average. There has been a sustained decline in the proportion of the population living in Victoria, with Victoria's rate of population growth averaging 1.1 per cent per year over the five years.

Victoria is the most densely populated State with an average of 18.7 persons per square kilometre at 30 June 1988. This population density is nearly three times that of New South Wales and compares with the Australian average of just over two persons per square kilometre. Victoria's population is also highly concentrated. At 30 June 1988, an estimated 3,001,200 persons lived in the Melbourne Statistical Division, representing 70.0 per cent of Victoria's population and a population density of 490 persons per square kilometre.

### Age distribution

The 1986 Census of Population and Housing showed that 31.7 per cent of all people in Victoria were aged 19 years or under. Almost 600,000, or 14.9 per cent of the total population were aged 60 years or over, almost double the 8.0 per cent who were aged 60 or over in 1901. In sharp contrast to the total population, 50.8 per cent of Aboriginal and Torres Strait islanders were aged 19 years or under, and only 3.8 per cent were aged 60 years or over.

### Population increase

The components of population growth are natural increase (the number by which live births exceeds deaths in the State of usual residence) and net migration, both interstate and from overseas. In the five years 1983 to 1988 natural increase hovered around 30,000 per year, and net overseas migration increased steadily from a low of 14,730 in 1984 to a high of 37,224 in 1988. Net interstate migration resulted in a relatively small flow out of Victoria in each year during the period. The smallest loss was in 1984 (3,340 persons) and the largest loss in 1988 (14,802 persons). The total population increase in the 1983 to 1988 period was lowest in 1984 (41,986 persons) and highest in 1988 (52,999 persons).

**Births**

In 1988 there were 62,134 live births registered to women resident in Victoria. This represented an increase of 1.0 per cent on the 61,507 births recorded in 1987. The 1988 crude birth rate in Victoria was 14.6 per 1,000 population for the second successive year and was one of the lowest recorded since the registration of births was made compulsory in 1853. The Australian crude birth rate was 14.9 per 1,000 population in 1988. The Victorian crude birth rate has remained below the Australian rate since the early 1970's.

The general decline in the birth rate was reflected in trends in the age-specific birth rates. However, there was an increase in the age-specific birth rates for the 30 to 34 and 35 to 39 year age groups.

During the 1980's the number of ex-nuptial births has risen steadily to 9,213 in 1988, which represented 14.8 per cent of total live births.

**Deaths**

In 1988 there were 30,726 deaths of Victorian residents registered in Australia. This was a decrease of 2.6 per cent from the 31,549 deaths recorded in 1987 and compared with the 4.6 per cent increase from 1986 to 1987. The crude death rate fell from 7.5 per 1,000 population in 1987 to 7.2 in 1988.

The infant mortality rate (deaths of children under one year) dropped from 8.1 per 1,000 live births in 1987 to 7.8 in 1988. The mortality rate for male infants was consistently higher than that for females. In 1988 the rate was 9.2 for males and 6.4 for females.

There were 760 perinatal deaths (stillbirths and deaths within 28 days of birth) in 1988. This represents a death rate of 12.1 per 1,000 live and stillbirths.

The decline in the death rate was reflected in increased life expectancy at birth. In 1988 the life expectancy for males was 73.6 years and for females it was 79.8 years.

**Marriages**

There were 30,687 marriages registered in Victoria during 1988, an increase of 3.4 per cent from the 29,682 marriages registered in 1987. The crude marriage rate rose from 7.1 in 1987 to 7.2 in 1988 per 1,000 population.

Of the total marriages in 1988, first marriage for both partners accounted for 21,531 (70.2 per cent), first marriage for one partner totalled 5,244 (17.1 per cent), and remarriages for both parties numbered 3,912 (12.7 per cent).

Age at marriage continued to increase slightly. In 1988 the median age of bridegrooms was 27.6 years and the median age of brides was 25.4 years. The proportion of marriages performed by civil celebrants showed a slight increase, accounting for 38.8 per cent of marriages in 1988.

**Divorces**

The number of divorces granted in Victoria in 1988 was 10,250, an increase of 6.5 per cent from 1987. This was the first increase since 1982. The crude divorce rate rose from 2.3 to 2.4 per 1,000 population. Victoria's crude divorce rate was generally below the Australian rate which, in 1988, was 2.5 per 1,000 population.

The median age at marriage for divorcing husbands or wives continued to increase marginally (24.4 and 21.9 years, respectively). For divorcing husbands, the median ages at final separation and at divorce were 34.9 and 37.5 years, respectively. For divorcing wives the corresponding median ages were 32.2 and 34.9 years.



### Birthplace, citizenship, and language

In 1986, 59.1 per cent of males and 57.1 per cent of females aged 15 years and over, were married. This compared with 64.6 per cent and 62.5 per cent respectively in 1976.

The 1986 Census of Population and Housing revealed the extent to which overseas-born people have acquired Australian citizenship. Greek born migrants had the highest proportion of residents with Australian citizenship (89.2 per cent). The next highest were from Poland (84.1 per cent), Lebanon (82.1 per cent), and Yugoslavia (81.9 per cent). Those with the lowest proportion of Australian citizenship were born in New Zealand (24.8 per cent), Malaysia (33.8 per cent), and the United Kingdom and Ireland (39.5 per cent).

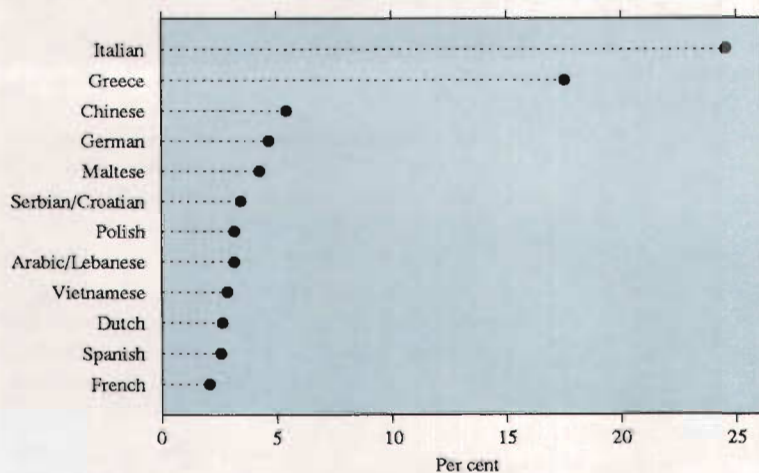
The 1986 Census also revealed that 915,000 people, or 23 per cent of Victoria's population was made up of people born overseas. Of the 3 million people born in Australia and living in Victoria, 28.0 per cent had one or both parents born overseas.

In 1986, 725,775 persons aged 5 years and over spoke a language other than English at home. Italian was the most widespread other language, being spoken by 23.9 per cent of those using another language at home. It was followed by Greek (17.1 per cent), Chinese (5.2 per cent), German (4.4 per cent), and Maltese (4.1 per cent).

Length of stay in Australia had a definite impact on the English-speaking proficiency of overseas-born people who spoke another language at home - 74.6 per cent of those who arrived before 1982 spoke English well or very well, compared with 58.9 per cent who arrived after 1982.

English was spoken well or very well by 92.9 per cent of Australian-born people who spoke another language at home.

#### PERSONS WHO SPEAK A LANGUAGE OTHER THAN ENGLISH AT HOME, VICTORIA, 30 JUNE 1986





**Ancestry**

Less than one-fifth (17.5 per cent) of the population claimed Australian-only ancestry. The major ancestry response (over 40 per cent) during the 1986 Census of Population was for Anglo-Celtic descent, with English-only ancestry accounting for 31.6 per cent. Other single ancestries containing over 1 per cent of the population were Italian, Greek, German, Chinese, Dutch and Maltese.

**Religion**

The proportion of the population stating their religious denomination as Christian declined from 75.9 per cent in 1976 to 68.8 per cent in 1986. This decline was due to the increase in the non-Christian population (from 1.4 per cent to 2.6 per cent), the proportion who stated no religion (from 9.4 per cent to 13.9 per cent) and those defined as other, who include non-theistic groups, response inadequately described, or not stated (13.4 per cent to 14.7 per cent).

**TABLE 2.1 AREA, ESTIMATED RESIDENT POPULATION, AND POPULATION DENSITY OF STATES AND TERRITORIES**

State or Territory	Area sq km	Estimated resident population at June 30			Persons per square kilometre (at 1988)	Percentage of population in each State or Territory (at 1988) per cent
		1983 '000	1987 '000	1988 '000		
New South Wales	801,600	5,353.0	5,612.2	5,701.5	7.11	34.48
Victoria	227,600	4,035.7	4,208.9	4,261.9	18.72	25.77
Queensland	1,727,200	2,482.3	2,676.8	2,743.8	1.59	16.59
South Australia	984,000	1,345.8	1,394.2	1,408.3	1.43	8.52
Western Australia	2,525,500	1,369.1	1,500.5	1,544.8	0.61	9.34
Tasmania	67,800	432.8	447.9	448.5	6.62	2.71
Northern Territory	1,346,200	135.9	156.7	155.9	0.12	0.94
Australian Capital Territory	2,400	239.0	266.1	273.5	113.96	1.65
<b>Australia</b>	<b>7,682,300</b>	<b>15,393.5</b>	<b>16,263.3</b>	<b>16,538.2</b>	<b>2.15</b>	<b>100.00</b>

**TABLE 2.2 POPULATION DISTRIBUTION IN BROAD GEOGRAPHIC AREAS, VICTORIA**

Census (b)	Major urban		Other urban		Rural (a)		Total Victoria (c)
	Number	Per cent	Number	Per cent	Number	Per cent	
1921	766,465	50.1	187,490	12.2	571,577	37.3	1,531,280
1933	991,934	54.5	198,191	10.9	628,558	34.5	1,820,261
1947	1,226,409	59.7	231,443	11.3	592,998	28.9	2,054,701
1954	1,524,111	62.1	470,063	19.2	450,126	18.4	2,452,341
1961	1,911,895	65.3	573,930	19.6	439,679	15.0	2,930,113
1966	2,215,396	68.8	538,776	16.7	463,057	14.4	3,220,217
1971	2,509,298	71.6	562,830	16.1	427,920	12.2	3,502,351
1976	2,603,028	71.4	601,185	16.5	441,057	12.1	3,646,975
1981	2,704,038	70.6	661,953	17.3	464,352	12.1	3,832,443
1986	2,771,317	68.9	743,360	18.5	501,022	12.5	4,019,478

(a) Includes rural localities.

(b) Census years 1921 to 1966 exclude full-blooded aboriginals.

(c) Includes migratory - those persons counted on trains, boats or at aircraft terminals.



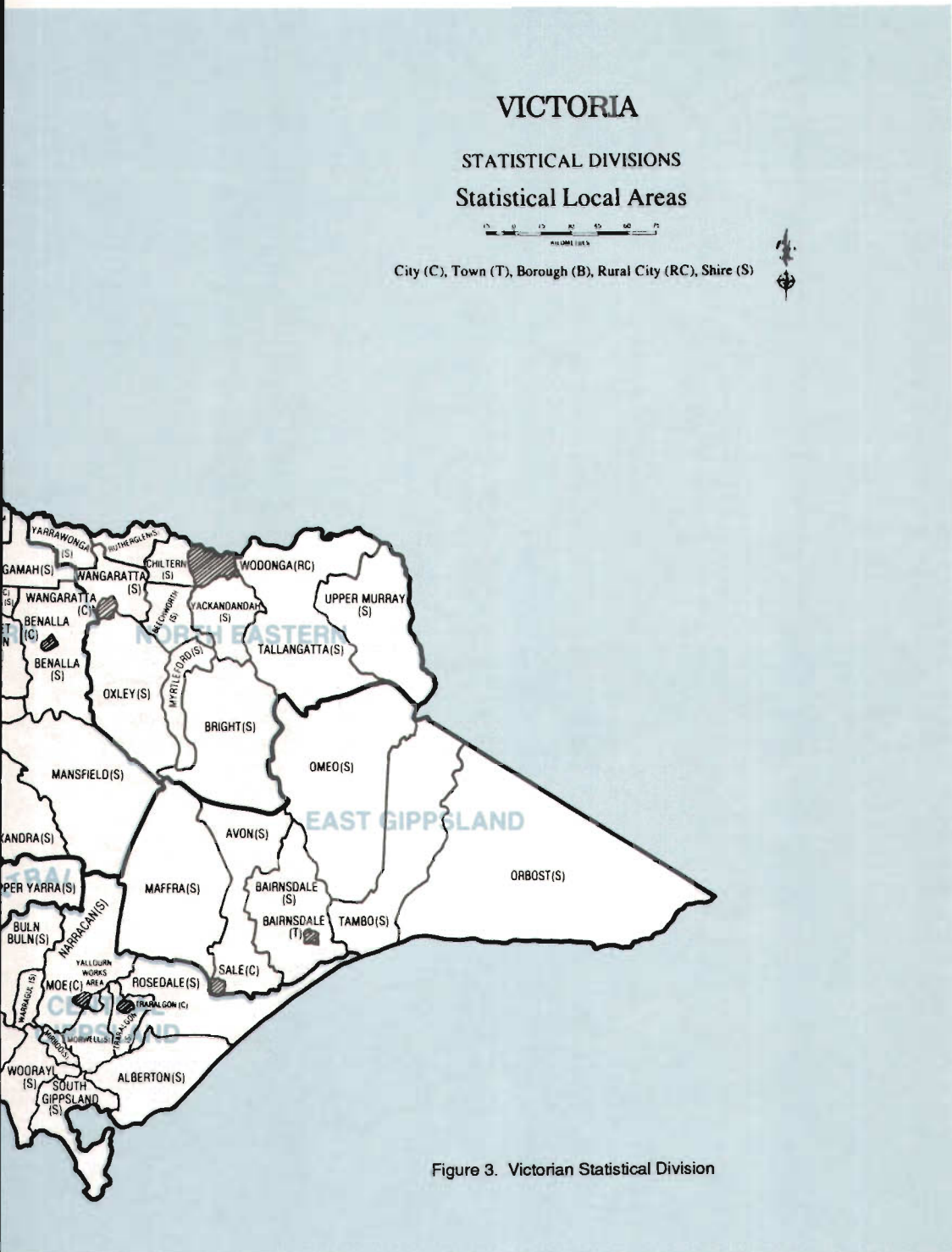




TABLE 2.3 AGE DISTRIBUTION OF THE POPULATION, VICTORIA, 30 JUNE 1986

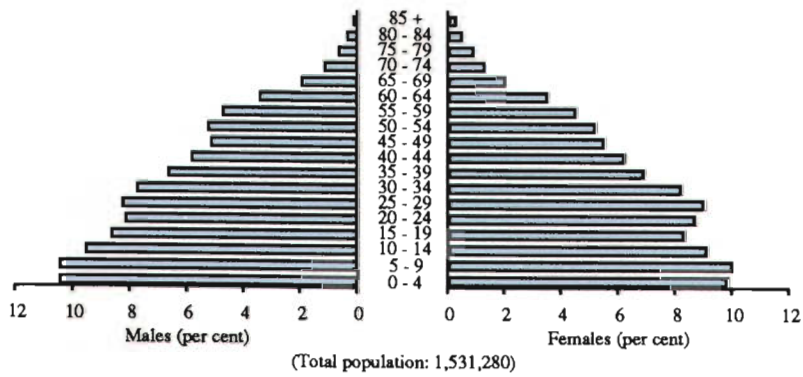
Age group (years)	Males		Females		Persons	
	Number	Per cent	Number	Per cent	Number	Per cent
0-4	150,830	7.57	144,321	7.12	295,151	7.34
5-9	150,536	7.56	143,093	7.06	293,629	7.34
10-14	170,178	8.55	161,628	7.97	331,806	8.25
15-19	180,934	9.09	173,564	8.56	354,498	8.82
20-24	167,533	8.41	165,175	8.14	332,708	8.28
25-29	165,724	8.32	167,436	8.26	333,160	8.29
30-34	158,041	7.94	160,299	7.90	318,340	7.92
35-39	157,891	7.93	158,975	7.84	316,866	7.88
40-44	128,093	6.43	124,596	6.14	252,689	6.29
45-49	108,378	5.44	103,629	5.11	212,007	5.27
50-54	95,564	4.80	91,982	4.54	187,546	4.67
55-59	97,508	4.90	94,238	4.65	191,746	4.77
60-64	86,328	4.33	91,653	4.52	177,981	4.43
65-69	63,319	3.18	73,826	3.64	137,145	3.41
70-74	50,645	2.54	66,251	3.27	116,896	2.91
75-79	33,540	1.68	49,649	2.45	83,189	2.07
80-84	17,275	0.87	31,939	1.57	49,214	1.22
85-89	6,883	0.35	17,689	0.87	24,572	0.61
90 and over	2,269	0.11	8,066	0.40	10,335	0.26
<b>Total</b>	<b>1,991,469</b>	<b>100.00</b>	<b>2,028,009</b>	<b>100.00</b>	<b>4,019,478</b>	<b>100.00</b>

TABLE 2.4 CENSUS COUNTS BY SEX, VICTORIA, 1901 - 1986

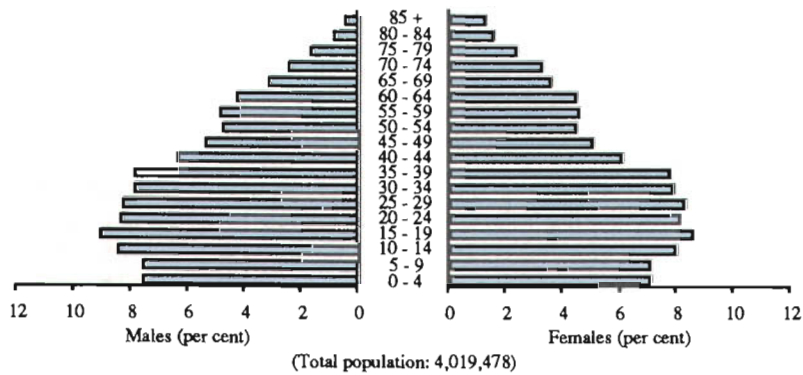
Year	People aged 60 years or over				All people (number)	People aged 60 or over as a proportion of all people(%)
	Men (number)	Women (number)	Total (number)	Number of men per 100 women		
1901	51,801	43,451	95,342	119	1,201,341	7.9
1911	47,301	48,672	95,973	97	1,315,551	7.3
1921	60,904	65,841	126,745	93	1,531,280	8.3
1933	97,316	110,065	207,381	88	1,820,261	11.4
1947	121,010	148,153	269,163	82	2,054,701	13.1
1954	140,058	178,564	318,622	78	2,452,341	13.0
1961	158,645	208,723	367,368	76	2,930,113	12.5
1966	172,809	227,162	399,971	76	3,219,526	12.4
1971	186,390	244,745	431,135	76	3,502,351	12.3
1976	205,225	270,547	475,772	76	3,646,973	13.0
1981	226,482	299,548	526,030	76	3,832,443	13.7
1986	260,258	339,073	599,332	77	4,019,478	14.9

## POPULATION AGE PYRAMIDS, VICTORIA

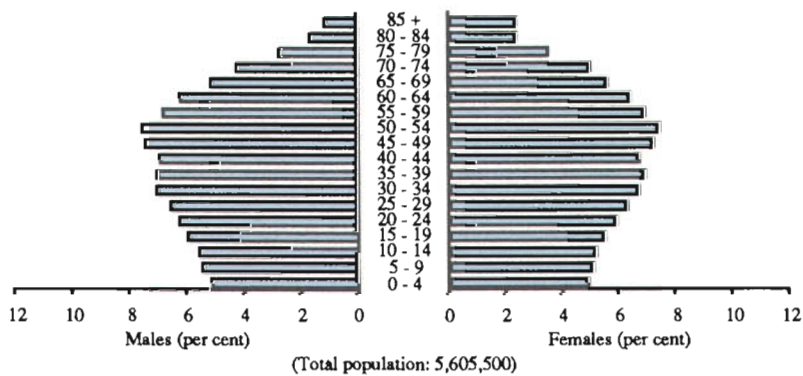
1921 Census



1986 Census



2021





**TABLE 2.5 AGE OF ABORIGINES AND TORRES STRAIT ISLANDERS, VICTORIA,  
30 JUNE 1986**

Age group (years)	Aboriginals and Torres Strait Islanders				All persons, Victoria	
	Males	Females	Persons	Per cent	Persons	Per cent
0-4	908	842	1,750	13.9	295,151	7.3
5-14	1,542	1,495	3,037	24.1	625,435	15.6
15-19	820	809	1,629	12.9	354,498	8.8
20-39	2,058	2,231	4,289	34.0	1,301,074	32.4
40-59	654	767	1,421	11.3	843,988	21.0
60 and over	210	275	485	3.8	599,332	14.9
<b>Total</b>	<b>6,192</b>	<b>6,419</b>	<b>12,611</b>	<b>100.0</b>	<b>4,019,478</b>	<b>100.0</b>

**TABLE 2.6 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,  
VICTORIA**

Statistical local area (a)	Area at 30 June 1988 (b)	Estimated resident population at 30 June		
	(sq km)	1983	1987	1988 <sup>p</sup>
MELBOURNE STATISTICAL DIVISION				
Altona (C)	39.73	32,800	34,400	35,100
Berwick (C) (c)	126.30	41,000	53,900	58,600
Box Hill (C)	21.48	48,600	47,500	47,500
Brighton (C)	13.70	35,000	34,700	34,400
Broadmeadows (C)	65.22	106,800	104,900	105,100
Brunswick (C)	10.75	44,800	41,800	41,500
Bulla (S)	421.40	22,100	31,100	32,900
Camberwell (C) (c)	35.59	89,200	87,300	87,500
Caulfield (C)	22.10	72,400	70,500	70,300
Chelsea (C)	12.59	27,300	27,000	27,300
Coburg (C)	18.77	56,200	54,700	54,700
Collingwood (C)	4.88	15,100	13,700	13,600
Cranbourne (S) (Pt A) (c)	400.80	35,700	49,200	54,100
Croydon (C)	33.71	38,600	42,600	43,900
Dandenong (C)	38.94	57,800	58,900	59,300
Diamond Valley (S)	73.91	54,200	58,300	59,600
Doncaster and Templestowe (C)	90.62	98,200	104,900	106,500
Eltham (S)	276.00	38,500	42,300	43,100
Essendon (C)	22.17	58,200	56,000	55,900
Fitzroy (C)	3.71	18,700	18,500	18,400
Flinders (S)	327.50	29,700	36,200	37,400
Footscray (C)	18.14	51,200	48,800	48,800
Frankston (C) (c)	71.37	83,500	88,300	89,400
Hastings (S)	292.90	19,500	24,800	25,700
Hawthorn (C)	9.84	31,700	30,900	30,800
Healesville (S) (Pt A)	284.30	8,600	10,000	10,400
Heidelberg (C) (c)	32.84	65,500	63,700	63,600
Keilor (C)	97.20	89,000	98,800	101,300
Kew (C)	14.46	29,600	29,000	29,000
Knox (C)	113.20	97,000	112,300	116,800
Lillydale (S)	403.30	68,300	75,800	77,700
Malvern (C)(c)	16.07	44,700	43,600	43,500
Melbourne (C) (Inner & Remainder)	31.77	58,200	56,900	56,100
Melton (S)	459.40	23,300	31,000	31,900

**TABLE 2.6 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS, VICTORIA - continued**

Statistical local area (a)	Area at 30 June 1988 (b)	Estimated resident population at 30 June		
	(sq km)	1983	1987	1988p
MELBOURNE STATISTICAL DIVISION - continued				
Moorabbin (C)	53.13	100,900	98,900	98,800
Mordialloc (C)	12.14	28,700	27,800	27,700
Mornington (S)	92.89	26,100	29,300	29,900
Northcote (C)	17.62	51,900	50,100	49,500
Nunawading (C)	42.27	100,900	96,600	96,400
Oakleigh (C)	30.84	58,500	57,800	57,800
Pakenham (S) (Pt A)	149.50	5,800	7,100	7,400
Port Melbourne (C)	10.62	8,700	8,300	8,200
Prahran (C)	9.58	46,400	44,700	44,300
Preston (C) (c)	36.74	85,600	82,600	82,300
Richmond (C)	6.25	25,000	23,700	23,600
Ringwood (C)	23.03	41,000	42,200	42,400
St Kilda (C)	8.84	49,900	47,300	46,900
Sandringham (C)	15.00	32,600	32,000	32,100
Sherbrooke (S)	194.30	32,900	36,800	37,400
South Melbourne (C)	8.99	19,500	18,600	18,500
Springvale (C)	98.48	85,000	86,500	87,800
Sunshine (C)	80.52	98,400	97,700	97,100
Waverley (C)	59.72	129,100	128,100	127,200
Werribee (C)(c)	659.60	45,100	57,800	61,900
Whittlesea (C) (c)	599.60	73,300	84,500	88,100
Williamstown (C)	14.71	25,300	24,100	24,000
Total division	6,129.00	2,861,700	2,965,600	3,001,200
BARWON STATISTICAL DIVISION				
Bannockburn (S) (Pt A & Pt B)	704.00	3,350	3,770	3,820
Barrabool (S) (Pt A & Pt B)	581.50	6,060	7,750	8,200
Bellarine (S) (Pt A & Pt B)	328.30	33,220	38,760	40,240
Colac (C)	10.99	10,120	10,040	10,050
Colac (S)	1,456.00	6,530	6,790	6,980
Corio (S) (Pt A & Pt B)	698.40	53,580	55,780	56,290
Geelong (C)	13.71	14,440	13,420	13,270
Geelong West (C)	5.19	15,330	14,630	14,630
Leigh (S)	982.70	1,480	1,970	2,040
Newtown (C)	6.35	10,490	10,420	10,420
Otway (S)	1,872.00	3,780	3,820	3,830
Queenscliffe (B)	8.44	3,270	3,350	3,330
South Barwon (C) (Pt A & Pt B)	161.20	37,870	40,590	41,160
Winchelsea (S)	1,299.00	3,970	4,400	4,480
Total division	8,127.00	203,500	215,510	218,740
SOUTH WESTERN STATISTICAL DIVISION				
Belfast (S)	515.70	1,540	1,490	1,490
Camperdown (T)	14.85	3,670	3,630	3,590
Dundas (S)	3,477.00	3,670	3,630	3,670
Glenelg (S)	3,589.00	4,540	4,410	4,370
Hamilton (C)	20.61	10,180	10,470	10,500



**TABLE 2.6 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,  
VICTORIA - continued**

Statistical local area (a)	Area at	Estimated resident population at 30 June		
	30 June 1988 (b) (sq km)	1983	1987	1988 <sup>p</sup>
SOUTH WESTERN STATISTICAL DIVISION - continued				
Hampden (S)	2,646.00	7,670	7,380	7,280
Heytesbury (S)	1,503.00	7,960	7,690	7,710
Heywood (S)(c)	3,764.00	7,240	7,520	7,680
Minhamite (S)	1,364.00	2,150	2,000	1,980
Mortlake (S)	2,153.00	3,550	3,230	3,210
Mount Rouse (S)	1,407.00	2,500	2,400	2,380
Port Fairy (B)	22.74	2,480	2,680	2,720
Portland (C) (c)	35.28	10,160	10,740	10,450
Wannon (S)	1,958.00	3,230	3,010	2,990
Warrnambool (C)	35.68	22,670	23,840	24,160
Warrnambool (S) (c)	1,552.00	6,810	8,480	8,570
Tower Hill Lake Reserve and Lady Julia Percy Island	6.99	-	n.a.	n.a.
<b>Total division</b>	<b>24,065.00</b>	<b>101,600</b>	<b>102,630</b>	<b>102,760</b>
CENTRAL HIGHLANDS STATISTICAL DIVISION				
Ararat (C)	18.15	8,470	8,230	8,230
Ararat (S)	3,679.00	4,370	4,400	4,4460
Avoca (S)	1,127.00	2,170	2,230	2,250
Bacchus Marsh (S)	567.10	8,450	10,180	10,550
Ballaarat (C)	34.18	36,640	36,860	36,810
Ballan (S)	911.70	2,880	3,560	3,790
Ballarat (S) (Pt A & Pt B)	475.70	19,380	19,610	19,210
Bungaree (S) (Pt A & Pt B)	234.00	3,930	4,280	4,380
Buninyong (S) (Pt A & Pt B)	762.70	8,980	10,600	11,110
Creswick (S)	540.90	4,300	4,720	4,790
Daylesford and Glenlyon (S)	606.00	4,680	5,470	5,690
Grenville (S) (Pt A & Pt B)	843.40	5,140	6,990	7,310
Lexton (S)	815.90	1,270	1,370	1,430
Ripon (S)	1,516.00	3,330	3,520	3,590
Sebastopol (B)	7.78	6,700	7,300	7,320
Talbot and Clunes (S)	525.60	1,870	2,220	2,300
<b>Total division</b>	<b>12,666.00</b>	<b>122,540</b>	<b>131,560</b>	<b>133,220</b>
WIMMERA STATISTICAL DIVISION				
Arapiles (S)	1,987.00	1,880	1,940	1,940
Birchip (S) (c)	1,482.00	1,420	1,380	1,350
Dimboola (S)	4,764.00	4,680	4,310	4,240
Donald (S) (c)	1,438.00	2,640	2,490	2,480
Dunmunkle (S) (c)	1,544.00	3,140	2,950	2,870
Horsham (C)	24.20	12,610	12,630	12,850
Kaniva (S)	3,058.00	1,910	1,770	1,750
Karkarooc (S)	3,782.00	3,170	2,920	2,880
Kowree (S)	5,469.00	4,040	3,830	3,800
Lowan (S)	2,697.00	3,390	3,430	3,380
Stawell (T)	23.99	6,430	6,560	6,640
Stawell (S)	2,606.00	2,330	2,540	2,630

**TABLE 2.6 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,  
VICTORIA - continued**

Statistical local area (a)	Area at 30 June 1988 (b)	Estimated resident population at 30 June		
	(sq km)	1983	1987	1988p
WIMMERA STATISTICAL DIVISION - continued				
Warracknabeal (S)	1,811.00	4,010	3,910	3,900
Wimmera (S)	2,701.00	2,940	2,980	2,980
Total division	33,388.00	54,600	53,660	53,690
NORTHERN MALLEE STATISTICAL DIVISION				
Kerang (B)	23.79	4,230	4,100	4,100
Kerang (S)	3,261.00	4,550	4,470	4,490
Mildura (C)	30.08	16,780	18,760	19,360
Mildura (S)	10,639.00	19,430	19,990	20,220
Swan Hill (C)	14.32	8,890	9,080	9,110
Swan Hill (S)	6,721.00	12,570	12,430	12,400
Walpeup (S)	11,027.00	3,660	3,490	3,460
Wycheproof (S) (c)	3,959.00	3,720	3,390	3,320
Total division	35,676.00	73,840	75,710	76,460
LODDON-CAMPASPE STATISTICAL DIVISION				
Bendigo (C)	32.19	32,850	32,330	32,210
Bet Bet (S)	925.00	1,870	2,070	2,160
Castlemaine (C)	23.48	6,830	6,980	7,110
Charlton (S)	1,168.00	2,110	2,030	1,990
Cohuna (S)	498.60	4,740	4,570	4,570
Eaglehawk(B)	14.89	8,250	8,730	8,840
East Loddon (S)	1,181.00	1,480	1,410	1,350
Echuca (C)	24.19	8,380	8,830	9,010
Gisborne (S)	281.30	7,380	9,120	9,250
Gordon (S)	2,054.00	3,040	3,030	3,050
Huntly (S) (Pt A & Pt B)	870.70	3,450	4,120	4,260
Kara Kara (S)	2,287.00	1,170	1,340	1,370
Korong (S)	2,379.00	3,210	3,500	3,560
Kyneton (S)	722.80	7,330	8,180	8,460
McIvor (S)	1,433.00	2,360	2,880	3,000
Maldon (S)	554.20	2,470	2,720	2,790
Marong (S) (Pt A & Pt B)	1,455.00	10,860	12,610	12,950
Maryborough (C)	22.35	8,100	7,850	7,850
Metcalfe (S)	586.30	2,480	2,960	3,090
Newham and Woodend (S)	244.00	3,920	4,710	4,900
Newstead(S)	409.90	2,270	2,570	2,610
Pyalong (S)	596.50	600	670	660
Rochester (S)	1,924.00	7,610	7,390	7,390
Romsey (S)	627.90	5,340	6,610	7,120
St Arnaud (T)	26.70	2,810	2,740	2,730
Strathfieldsaye (S) (Pt A & Pt B)	609.50	13,530	15,750	16,510
Tullaroop (S)	630.90	1,930	2,550	2,630
Total division	21,584.00	156,280	168,280	171,420



**TABLE 2.6 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,  
VICTORIA - continued**

Statistical local area (a)	Area at 30 June 1988 (b)	Estimated resident population at 30 June		
	(sq km)	1983	1987	1988p
GOULBURN STATISTICAL DIVISION				
Alexandra (S) (c)	2,228.00	5,360	5,770	5,910
Benalla (C)	16.21	8,690	8,950	9,020
Benalla (S)	2,311.00	4,640	5,200	5,430
Broadford (S)	570.30	2,720	3,540	3,660
Cobram (S)	435.00	6,510	6,480	6,500
Deakin (S)	934.00	6,090	5,930	5,880
Euroa (S)	1,406.00	4,420	4,580	4,580
Goulburn (S)	1,029.00	2,220	2,410	2,420
Kilmore (S)	505.90	5,460	7,350	7,700
Kyabram (T)	21.14	5,670	5,630	5,660
Mansfield (S)	3,929.00	4,890	5,560	5,670
Nathalia (S)	1,253.00	3,310	3,350	3,390
Numurkah (S)	730.30	6,310	6,450	6,520
Rodney (S) (Pt A & Pt B)	1,022.00	15,130	15,470	15,570
Seymour (S)	956.70	11,380	11,600	11,490
Shepparton (C)	26.59	25,050	26,010	26,280
Shepparton (S) (Pt A & Pt B)	920.90	7,800	8,390	8,520
Tungamah (S)	1,130.00	2,860	2,840	2,840
Violet Town (S)	934.40	1,380	1,450	1,490
Waranga (S)	1,611.00	4,480	4,540	4,550
Yea (S)	1,419.00	3,880	4,550	4,660
Total division	23,390.00	138,240	146,080	147,740
NORTH EASTERN STATISTICAL DIVISION				
Beechworth (S)	764.90	4,710	4,920	4,980
Bright (S)	3,091.00	5,760	6,310	6,440
Chiltern (S)	491.30	2,090	2,290	2,390
Myrtleford (S)	821.30	4,300	4,360	4,410
Oxley (S)	2,812.00	5,220	5,630	5,710
Rutherglen (S)	527.70	2,940	3,150	3,150
Tallangatta (S) (Pt A & Pt B)	4,187.00	3,910	4,050	4,070
Upper Murray (S)	2,468.00	2,570	2,510	2,500
Wangaratta (C)	26.91	16,620	16,570	16,450
Wangaratta (S)	906.60	2,740	3,230	3,270
Wodonga (Rural City)	345.50	21,580	23,630	24,390
Yackandandah (S) (Pt A & Pt B)	1,086.00	3,850	4,220	4,390
Yarrawonga (S)	638.30	4,670	4,910	4,990
Total division	18,166.00	80,800	85,790	87,140

**TABLE 2.6 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,  
VICTORIA - continued**

VICTORIA continued

Statistical local area (a)	Area at 30 June 1988 (b)	Estimated resident population at 30 June		
	(sq km)	1983	1987	1988p
EAST GIPPSLAND STATISTICAL DIVISION				
Avon (S)	2,615.00	4,000	4,500	4,510
Bairnsdale (T)	28.79	9,900	10,360	10,550
Bairnsdale (S)	2,449.00	5,910	7,120	7,290
Maffra (S)	4,162.00	9,490	10,180	10,320
Omeo (S)	5,636.00	1,620	1,740	1,870
Orbost (S)	9,347.00	6,230	6,470	6,560
Sale (C)	30.09	13,600	13,800	13,730
Tambo (S)	3,525.00	8,110	9,560	9,890
Bass Strait Islands	23.89	-	-	-
<b>Total division</b>	<b>27,817.00</b>	<b>58,860</b>	<b>63,750</b>	<b>64,720</b>
CENTRAL GIPPSLAND STATISTICAL DIVISION				
Alberton (S)	1,878.00	6,180	6,360	6,380
Buln Buln (S)	1,251.00	9,920	10,840	10,980
Korumburra (S)	613.50	7,010	7,250	7,450
Mirboo (S)	260.70	2,330	2,600	2,580
Moe (C)	24.93	17,600	17,650	17,830
Morwell (S) (Pt A & Pt B)	654.70	27,640	27,970	28,190
Narracan (S)	2,320.00	11,330	11,270	11,290
Rosedale (S)	2,256.00	7,060	8,430	8,820
South Gippsland (S)	1,358.00	6,120	6,160	6,250
Traralgon (C) (c)	22.26	19,200	20,140	20,490
Traralgon (S) (c)	464.00	3,690	4,500	4,490
Warragul (S)	347.00	11,710	12,530	12,620
Woorayl (S)	1,226.00	10,700	11,520	11,600
Yallourn Works Area	27.86	-	-	-
<b>Total division</b>	<b>12,704.00</b>	<b>140,490</b>	<b>147,230</b>	<b>148,970</b>
EAST CENTRAL STATISTICAL DIVISION				
Bass (S)	515.90	3,610	4,350	4,410
Cranbourne (S) (Pt B)	351.00	4,020	4,140	4,240
Healesville (S) (Pt B) (c)	168.50	960	1,260	1,290
Pakenham (S) (Pt B)	738.00	13,960	17,900	18,280
Phillip Island (S)	100.90	3,510	4,570	4,780
Upper Yarra (S) (c)	1,743.00	11,250	14,500	14,850
Wonthaggi (B)	58.22	5,650	6,310	6,340
French Island	172.50	70	70	70
<b>Total division</b>	<b>3,849.00</b>	<b>43,030</b>	<b>53,100</b>	<b>54,260</b>



**TABLE 2.6 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS, VICTORIA - continued**

Statistical local area (a)	Area at 30 June 1988 (b)	Estimated resident population at 30 June		
	(sq km)	1983	1987	1988 <sup>p</sup>
STATISTICAL DIVISIONS - SUMMARY				
Melbourne	6,129.00	2,861,700	2,965,600	3,001,200
Rest of Victoria -				
Barwon	8,127.00	203,500	215,510	218,740
South Western	24,065.00	101,600	102,630	102,760
Central Highlands	12,666.00	122,540	131,560	133,220
Wimmera	33,388.00	54,600	53,660	53,690
Northern Mallee	35,676.00	73,840	75,710	76,460
Loddon-Campaspe	21,584.00	156,280	168,280	171,420
Goulburn	23,390.00	138,240	146,080	147,740
North Eastern	18,166.00	80,950	85,790	87,140
East Gippsland	27,817.00	58,860	63,750	64,720
Central Gippsland	12,704.00	140,490	147,230	148,970
East Central	3,849.00	43,030	53,100	54,260
Total Rest of Victoria	221,432.00	1,173,940	1,243,300	1,259,110
Offshore and Migratory (d)	-	-	-	-
<b>Total Victoria</b>	<b>227,561.00</b>	<b>4,035,700</b>	<b>4,208,900</b>	<b>4,260,300</b>

(a) The designation of City (C), Town (T), Borough (B), or Shire (S) shown against the name of each statistical local area indicates its status at 30 June 1988.

(b) Areas below 100 square kilometres have been calculated to two decimal places; areas from 100 to 999 square kilometres to one decimal place, and areas of 1,000 or more square kilometres to the nearest whole number.

(c) Table 2.6 shows changes which have occurred in statistical local areas between 1 July 1982 to 30 June 1988.

(d) Not available for intercensal years.

**TABLE 2.7 STATISTICAL LOCAL AREA BOUNDARY CHANGES, VICTORIA  
1 JULY 1982 TO 30 JUNE 1988**

Statistical local area	Nature of change	Net change in area (sq km)	Estimated net change in population	Date of change
Alexandra (S)	Gained from Healesville (S) (Pt B)	+280.00	+800	1.10.84
Berwick (C)	Lost to Cranbourne (S) (Pt A)	-0.05	-	1.12.84
Birchip (S)	Gained from Wycheproof (S)	+0.02	-	1.10.82
Camberwell (C)	Gained from Malvern (C)	+0.04	-	1.12.84
Cranbourne (S) (Pt A)	Gained from Berwick (C)	+0.05	-	1.12.84
Cranbourne (S) (Pt A)	Lost to Frankston (C)	-0.30	-	1.10.82
Donald (S)	Lost to Dunmunkle (S)	-0.08	-	1.10.82
Dunmunkle (S)	Gained from Donald (S)	+0.08	-	1.10.82
Frankston (C)	Gained from Cranbourne (S) (Pt A)	+0.30	-	1.10.82
Healesville (S) (Pt B)	Lost to Alexandra (S)	-280.00	-800	1.10.84
Healesville (S) (Pt B)	Lost to Upper Yarra (S)	-160.00	-	1.10.84
Heidelberg (C)	Gained from Preston (C)	+0.58	-	1.12.84
Koroit (B)	Merged into Warrnambool (S)	23.05	-1,530	1.10.85
Malvern (C)	Lost to Camberwell (C)	-0.04	-	1.12.84
Portland (T)	Declared a city, Portland (C)	-	-	28.10.85
Preston (C)	Lost to Heidelberg (C)	-0.58	-	1.12.84
Traralgon (C)	Gained from Traralgon (S)	+0.26	+10	1.10.82
Traralgon (S)	Lost to Traralgon (C)	-0.26	-10	1.10.82
Upper Yarra (S)	Gained from Healesville (S) (Pt B)	+160.00	-	1.10.84
Warrnambool (S)	Gained all of Koroit (B)	23.05	+1,530	1.10.85

**TABLE 2.7 STATISTICAL LOCAL AREA BOUNDARY CHANGES, VICTORIA**  
**1 JULY 1982 TO 30 JUNE 1988 - continued**

<i>Statistical local area</i>	<i>Nature of change</i>	<i>Net change in area (sq km)</i>	<i>Estimated net change in population</i>	<i>Date of change</i>
Wycheproof (S)	Lost to Birchip (S)	-0.02	-	1.10.82
Werribee (S)	Declared a city	-	-	20.3.87
Whittlesea (S)	Declared a city	-	-	15.4.88

**TABLE 2.8 URBAN CENTRES AND (RURAL) LOCALITIES WITH A POPULATION OF  
OVER 650 PERSONS, IN SIZE ORDER, VICTORIA, 30 JUNE 1986**

<i>Urban centre (rural) locality</i>	<i>Population</i>	<i>Urban centre (rural) locality</i>	<i>Population</i>
Melbourne	2,645,484	Lakes Entrance	4,104
Geelong	125,833	Kerang	4,031
Ballarat	63,802	Kyneton	4,010
Bendigo	53,944	Drouin	3,974
Shepparton-Mooroopna	30,238	Maffra	3,973
Melton	24,394	Leongatha	3,957
Warrnambool	22,706	Queenscliffe	3,739
Albury-Wodonga (Wodonga Part)	20,918	Clifton Springs	3,657
Mildura	20,512	Cobram	3,651
Traralgon	19,233	Emerald	3,608
Moe-Yallourn	18,376	Torquay	3,522
Wangaratta	16,598	Camperdown	3,458
Morwell	16,387	Leopold	3,452
Sunbury	15,297	Somerville	3,432
Cranbourne	14,005	Yarrawonga-Mulwala (Yarrawonga Part)	3,388
Sale	13,559	Beechworth	3,252
Horsham	12,174	Daylesford	3,111
Portland	10,934	Pakenham	3,052
Colac	10,545	Myrtleford	2,853
Bairnsdale	10,328	Numurkah	2,840
Hamilton	9,969	Hurstbridge	2,808
Swan Hill	8,831	Korumburra	2,773
Ocean Grove-Barwon Heads	8,680	Euroa	2,730
Benalla	8,490	Tatura	2,702
Echuca-Moama(Echuca Part)	8,409	St Arnaud	2,692
Warragul	8,170	Warracknabeal	2,689
Ararat	8,015	Port Fairy	2,504
Maryborough	7,705	Orbost	2,502
Castlemaine	7,656	Red Cliffs	2,450
Bacchus Marsh	7,640	Rochester	2,395
Craigieburn	6,584	Warburton	2,304
Seymour	6,510	Portarlington	2,271
Stawell	6,252	Creswick	2,266
Healesville	5,759	Cowes	2,251
Churchill	5,526	Woodend	2,219
Wonthaggi	5,346	Paynesville	2,209
Kyabram	5,342	Trafalgar	2,149
Hastings	5,271	Woori Yallock	2,111
Lara	5,186	Cohuna	2,103
Crib Point	4,180		



**TABLE 2.8 URBAN CENTRES AND (RURAL) LOCALITIES WITH A POPULATION OF OVER 650 PERSONS, IN SIZE ORDER, VICTORIA, 30 JUNE 1986 - continued**

<i>Urban centre/ (rural) locality</i>	<i>Population</i>	<i>Urban centre (rural) locality</i>	<i>Population</i>
Cockatoo	2,060	Mirboo North	1,104
Terang	2,040	Nagambie	1,099
Mansfield	2,039	Rosedale	1,093
Kilmore	2,029	Koo-wee-rup	1,081
Nhill	2,028	Tongala	1,044
Coldstream	2,016	Avoca	1,032
Yarram	2,004	Mortlake	1,030
Gisborne	1,966	Yea	1,017
Broadford	1,893	Narre Warren North	1,011
Casterton	1,842	Foster	1,007
Inverloch	1,838	Mount Helen	1,002
Yarra Junction	1,810	Pearcedale (L)	995
Alexandra	1,790	Bunyip (L)	986
Robinvale	1,770	Tallangatta (L)	963
Merbein	1,750	Koroit (L)	958
Heyfield	1,689	Rushworth (L)	948
Bright	1,673	Chiltern (L)	935
Anglesea	1,652	Lorne (H)	935
Wallan	1,643	Winchelsea (L)	890
Rutherglen	1,586	Apollo Bay (H)	888
Mount Beauty	1,564	Wedderburn (L)	878
Balnarring Beach-Merricks	1,551	Irymple (L)	876
Dimboola	1,514	Murtoa (L)	863
Millgrove	1,507	Wycheproof (L)	854
Ouyen	1,503	Sea Lake (L)	847
Diggers Rest	1,493	Ballan (L)	846
Whittlesea	1,490	Birchip (L)	845
Donald	1,465	Lancefield (L)	826
Cobden	1,421	Mallacoota (H)	826
Heathcote	1,364	Kaniva (L)	821
Launching Place	1,360	Edenhope (L)	819
Nathalia	1,346	Clunes (L)	817
Charlton	1,341	Beaconsfield Upper (L)	809
Buninyong	1,307	Boort (L)	801
Heywood	1,295	Timboon (L)	793
Corryong	1,274	Wonga Park (L)	789
Romsey	1,266	Somers (H)	758
Tyabb	1,254	Hopetoun (L)	750
Stratford	1,242	Eildon (L)	740
Beaufort	1,199	Mernda (L)	737
Seville	1,173	Inglewood (L)	712
St Leonards	1,170	Elmore (L)	698
Yarra Glen	1,170	Wandong-Heathcote Junction (L)	696
Drysdale	1,166	Mount Macedon (L)	682
Carrum Downs	1,161	Bannockburn (L)	662
Coleraine	1,153	Rainbow (L)	655
Riddells Creek	1,153	Tooradin (L)	655
Macedon	1,137	Yarragon (L)	652
Maldon	1,116	Gembrook (L)	650

TABLE 2.9 COMPONENTS OF POPULATION INCREASE, VICTORIA

Year (a)	Natural increase	Net migration			Total population increase
		Overseas	Interstate	Total	
MALES					
1983	14,335	10,217	-2,651	7,566	21,901
1984	14,860	7,638	-1,885	5,753	20,613
1985	14,912	10,258	-3,064	7,194	22,106
1986	14,447	13,746	-6,912	6,834	21,281
1987	15,202	15,421	-6,632	8,789	23,991
1988	14,918	19,103	-6,428	12,675	27,593
FEMALES					
1983	15,043	9,457	-2,485	6,972	22,015
1984	15,736	7,092	-1,455	5,637	21,373
1985	15,357	9,900	-2,735	7,165	22,522
1986	14,647	12,674	-6,289	6,385	21,032
1987	15,353	15,562	-6,816	8,746	24,099
1988	15,659	18,121	-8,374	9,747	25,406
PERSONS					
1983	29,378	19,674	-5,136	14,538	43,916
1984	30,596	14,730	-3,340	11,390	41,986
1985	30,269	20,158	-5,799	14,359	44,628
1986	29,094	26,420	-13,201	13,219	42,313
1987	30,555	30,983	-13,448	17,535	48,090
1988	30,577	37,224	-14,802	22,422	52,999

(a) Year ended 30 June.

TABLE 2.10 SUMMARY OF VITAL STATISTICS, STATES, TERRITORIES AND AUSTRALIA, 1988

Particulars	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
Live births -									
Males	43,495	31,688	20,820	9,917	12,874	3,433	1,803	2,193	126,223
Females	41,152	30,446	19,741	9,238	12,269	3,346	1,636	2,142	119,970
Persons	84,647	62,134	40,561	19,155	25,143	6,779	3,439	4,335	246,193
Deaths -									
Males	23,877	16,426	10,597	5,793	5,363	1,908	552(a)	566	65,082
Females	20,799	14,300	8,206	4,897	4,169	1,639	324(a)	450	54,784
Persons	44,676	30,726	18,803	10,690	9,532	3,547	876(a)	1,016	119,866
Infant deaths	775	486	339	152	214	65	66(a)	35	2,132
Perinatal deaths (b) -									
Number	1,095	747	493	239	304	92	79	52	3,101
Rate (c)	12.8	11.9	12.1	12.4	12.0	13.5	22.7	11.9	12.5
Marriages	40,812	30,687	18,850	10,128	10,578	3,035	782	1,944	116,816
Divorces	11,880	10,250	7,690	4,031	3,964	1,220	275	1,697	41,007

(a) 1988 figures for N.T. have been affected by a change in registration legislation.

(b) Perinatal deaths comprise neonatal and foetal deaths.

(c) The number of perinatal deaths per 1,000 live and still births.



TABLE 2.11 SUMMARY OF BIRTHS AND CONFINEMENTS, VICTORIA

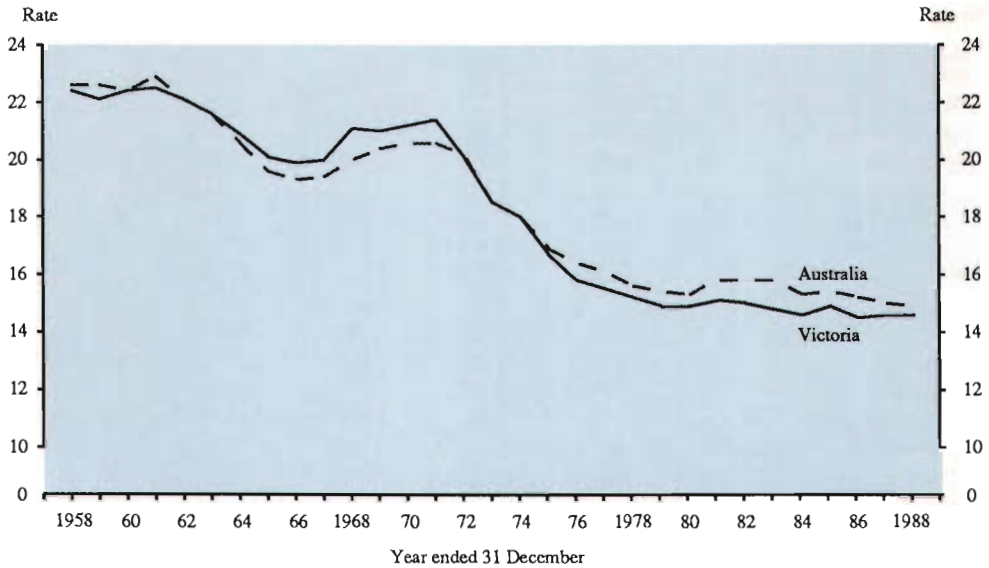
Particulars	1983	1984	1985	1986	1987	1988
Live births -						
Males	30,695	30,404	31,497	30,855	31,605	31,688
Females	29,233	29,081	30,058	29,307	29,902	30,446
Persons	59,928	59,485	61,555	60,162	61,507	62,134
Sex ratio (a)	105.0	104.6	104.8	105.3	105.7	104.1
Nuptial births	53,512	52,966	54,457	52,767	53,027	52,921
Ex-nuptial births -						
Number	6,416	6,519	7,098	7,395	8,480	9,213
Percentage of total live births	10.7	11.0	11.5	12.3	13.8	14.8
Crude birth rate (b)	r14.8	14.6	14.9	r14.4	14.6	14.6
Age-specific birth rates (c)-						
Age group (years)-						
15-19	18.0	15.6	15.5	14.2	14.7	14.3
20-24	87.5	81.5	80.6	75.3	73.3	68.5
25-29	144.8	142.2	145.8	140.7	139.6	135.4
30-34	84.0	86.8	91.5	92.2	95.2	97.7
35-39	25.3	26.8	27.4	28.0	30.7	32.2
40-44	4.2	4.5	4.5	4.2	4.9	4.7
45-49	0.3	0.3	0.2	0.2	0.4	0.2
Total fertility (d)	1,821	1,789	1,827	1,774	1,794	1,764
Confinements (number)	59,281	58,880	60,909	59,432	60,831	61,398
Median age of mother (years) -						
Nuptial first confinements	26.03	26.39	26.54	26.83	27.09	27.39
All nuptial first confinements	27.69	27.96	28.11	28.35	28.58	28.84
Ex-nuptial	22.74	23.17	23.39	23.70	23.82	24.18
All confinements	27.34	27.62	27.77	27.99	28.15	28.42
Median duration of marriage (years) -						
Nuptial first confinements	2.51	2.56	2.59	2.53	2.53	2.49

(a) Number of male live births per 100 female live births.

(b) Number of live births registered during calendar year per 1,000 of mean estimated resident population.

(c) Number of live births registered during calendar year, according to age of mother, per 1,000 of the female estimated resident population of the same age.

(d) The sum of 5 year age-specific birth rates multiplied by 5. It represents the number of children 1,000 women would bear during their lifetimes if they experienced the rates of the year shown.

**CRUDE BIRTH RATES (a), 1958-1988**

(a) Number of live births registered during calendar year per 1,000 mean estimated population.

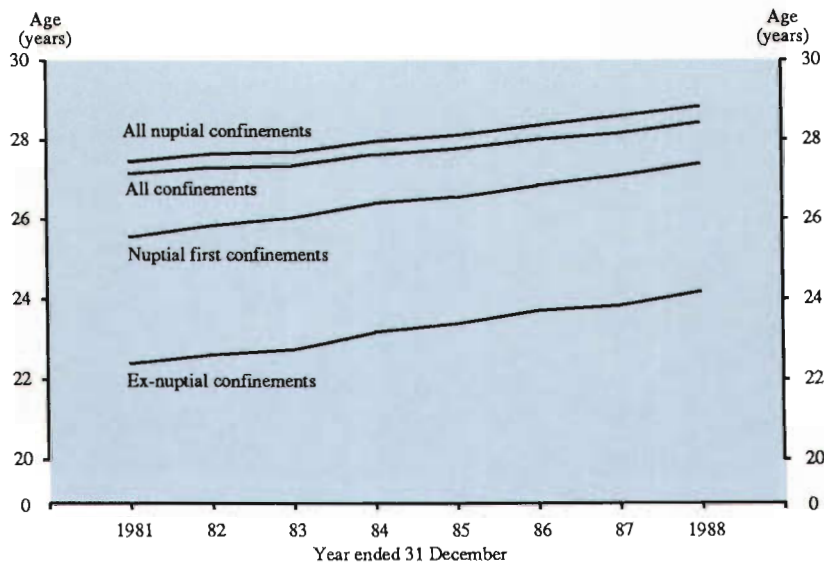
**MEDIAN AGE OF MOTHER, VICTORIA, 1981-1988**



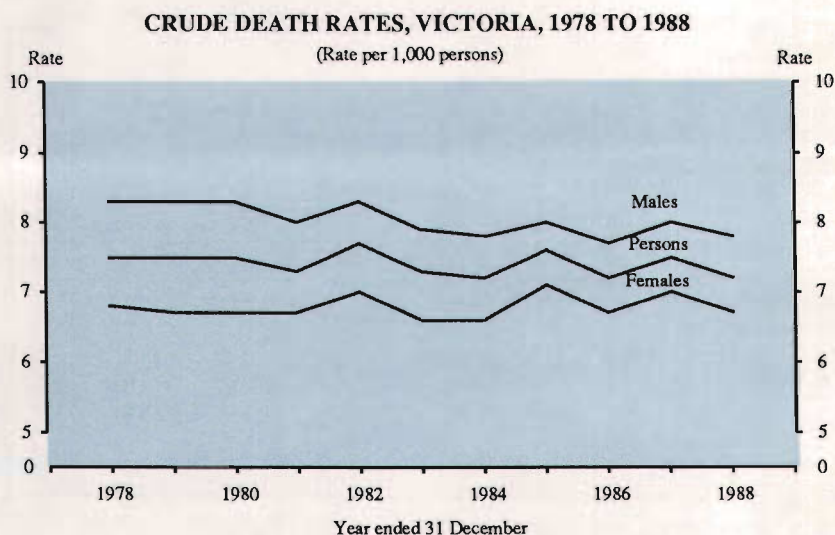
TABLE 2.12 SUMMARY OF DEATHS, VICTORIA

Particulars	1983	1984	1985	1986	1987	1988
Deaths -						
Males	15,823	15,843	16,516	16,021	16,714	16,426
Females	13,542	13,689	14,837	14,154	14,835	14,300
Persons	29,365	29,532	31,353	30,175	31,549	30,726
Sex ratio (a)	116.8	115.7	111.3	113.2	112.7	114.9
Crude death rate (b) -						
Males	7.9	7.8	8.0	7.7	8.0	7.8
Females	6.6	6.6	7.1	6.7	7.0	6.7
Persons	7.3	7.2	7.6	7.2	7.5	7.2
Infant deaths -						
Males	277	299	337	297	306	291
Females	266	226	264	220	192	195
Persons	543	525	601	517	498	486
Infant mortality rate (c)	9.1	8.8	9.8	8.6	8.1	7.8
Median age at death (years) -						
Males	70.4	71.0	71.6	71.4	72.0	72.3
Females	77.3	78.0	78.5	78.4	79.0	78.7
Mean age at death (years) -						
Males	65.7	66.7	67.2	67.0	67.3	66.9
Females	73.1	74.0	74.4	74.3	74.8	74.1

(a) Number of male deaths per 100 female deaths.

(b) Number of deaths registered per 1,000 of the mean estimated resident population.

(c) Deaths of children under one year of age per 1,000 live births.



### INFANT MORTALITY RATES, VICTORIA, 1978 TO 1988

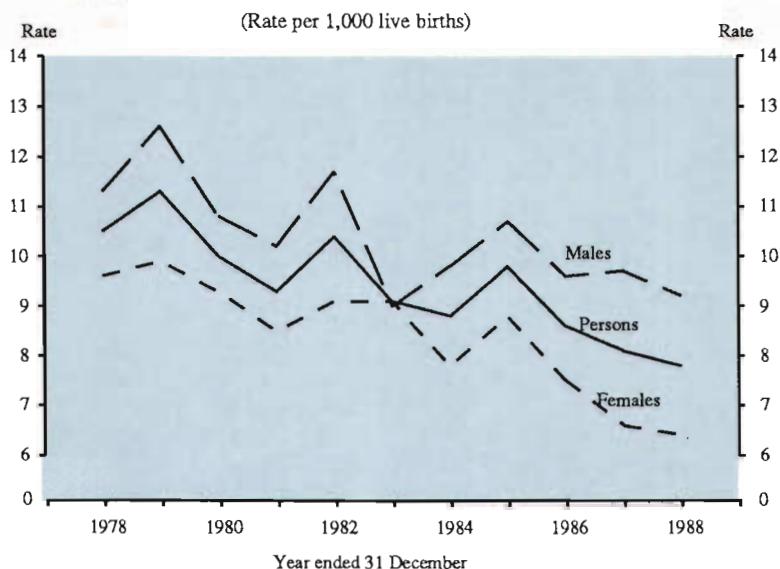


TABLE 2.13 SUMMARY OF MARRIAGES, VICTORIA

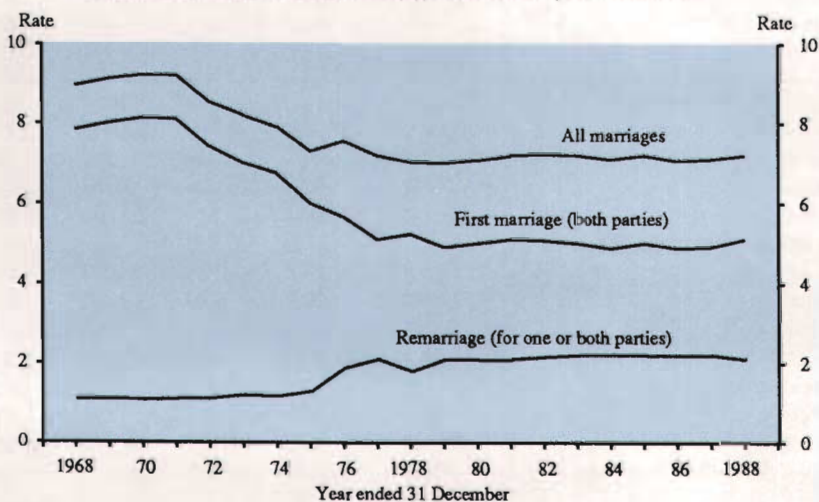
Particulars	1983	1984	1985	1986	1987	1988
Total marriages -	28,974	28,931	29,810	29,390	29,682	30,687
First marriage both partners	20,224	19,899	20,544	20,287	20,622	21,531
First marriage one partner	4,952	5,160	5,189	5,040	5,110	5,244
Remarriage both partners	3,798	3,872	4,077	4,063	3,950	3,912
Crude marriage rate (a)	7.2	7.1	7.2	7.1	7.1	7.2
Marriages performed by -						
Ministers of religion -						
Number	18,165	18,050	18,459	18,096	18,434	18,782
Per cent	62.7	62.4	61.9	61.6	62.1	61.2
Civil celebrants -						
Number	10,809	10,881	11,351	11,294	11,248	11,905
Per cent	37.3	37.6	38.1	38.4	37.9	38.8
BRIDEGROOM						
Marital status of bridegroom -						
Never married	22,493	22,335	23,000	22,648	22,940	23,977
Widowed	729	753	726	732	748	712
Divorced	5,752	5,843	6,084	6,010	5,994	5,998
Total	28,974	28,931	29,810	29,390	29,682	30,687
Median age of bridegroom (years) -						
Never married	25.0	25.3	25.5	25.7	25.9	26.2
Widowed	59.2	59.9	60.9	60.6	61.1	61.0
Divorced	36.3	37.0	37.4	38.3	38.5	38.9
Total	26.4	26.7	26.9	27.2	27.4	27.6
Age of bridegroom (years) -						
Under 20	498	416	384	333	316	394
20-24	10,930	10,140	9,955	9,350	8,829	8,679
25-29	8,601	9,030	9,528	9,453	9,956	10,485

TABLE 2.13 SUMMARY OF MARRIAGES, VICTORIA - *continued*

Particulars	1983	1984	1985	1986	1987	1988
<b>BRIDEGROOM - <i>continued</i></b>						
30-34	3,835	3,950	4,242	4,237	4,514	4,798
35-39	1,911	2,042	2,224	2,253	2,236	2,423
40-44	1,020	1,147	1,137	1,222	1,363	1,432
45-49	658	702	746	837	788	828
50 and over	1,521	1,504	1,594	1,705	1,680	1,646
<b>Total</b>	<b>28,974</b>	<b>28,931</b>	<b>29,810</b>	<b>29,390</b>	<b>29,682</b>	<b>30,687</b>
<b>BRIDE</b>						
Marital status of bride -						
Never married	22,907	22,623	23,277	22,966	23,414	24,329
Widowed	855	845	886	891	905	864
Divorced	5,212	5,463	5,647	5,533	5,363	5,494
<b>Total</b>	<b>28,974</b>	<b>28,931</b>	<b>29,810</b>	<b>29,390</b>	<b>29,682</b>	<b>30,687</b>
Median age of bride (years) -						
Never married	22.9	23.2	23.4	23.7	24.0	24.2
Widowed	53.8	52.8	53.8	53.1	52.3	52.1
Divorced	33.6	33.9	34.3	35.0	35.1	35.5
<b>Total</b>	<b>24.0</b>	<b>24.4</b>	<b>24.6</b>	<b>25.0</b>	<b>25.2</b>	<b>25.4</b>
Age of bride (years) -						
Under 20	3,023	2,543	2,428	2,160	1,972	2,028
20-24	13,718	13,303	13,387	12,609	12,491	12,407
25-29	6,085	6,505	6,989	7,254	7,600	8,291
30-34	2,610	2,795	2,981	3,088	3,253	3,444
35-39	1,384	1,489	1,627	1,698	1,791	1,758
40-44	725	816	883	887	983	1,133
45-49	475	535	524	638	612	657
50 and over	954	945	991	1,056	980	966
<b>Total</b>	<b>28,974</b>	<b>28,931</b>	<b>29,810</b>	<b>29,390</b>	<b>29,682</b>	<b>30,687</b>

(a) Number of marriages per 1,000 mean estimated resident population.

CRUDE MARRIAGE RATES (a), VICTORIA, 1968 TO 1988



(a) Number of marriages per 1,000 mean estimated resident population.



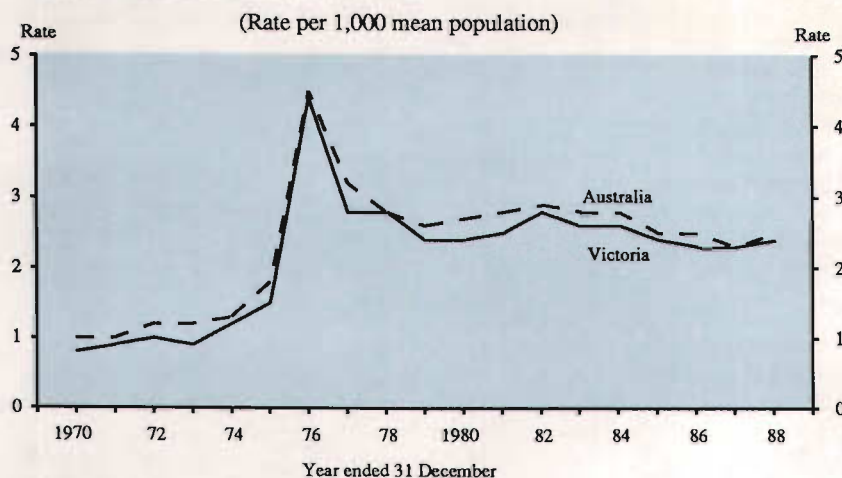
TABLE 2.14 SUMMARY OF DIVORCES, VICTORIA

Particulars	1983	1984	1985	1986	1987	1988
Divorces granted -	10,663	10,501	9,688	9,670	9,626	10,250
Crude divorce rate (a)	2.6	2.6	2.4	2.3	2.3	2.4
Median duration of marriage (years)	10.7	10.7	10.6	10.7	10.1	10.4
Median interval between marriage and separation (years)	8.0	7.9	7.8	7.8	7.3	7.6
Divorces involving children -	6,577	6,296	5,809	5,705	5,509	5,867
Percentage of total	61.7	60.0	60.0	59.0	57.2	57.2
Average number of children	2.0	1.9	1.9	2.0	1.9	1.9
HUSBAND						
Age-specific divorce rate (b) -						
Age group (years) -						
Under 25	1.6	1.5	1.3	1.2	1.2	1.1
25-29	11.7	9.7	10.1	9.5	9.2	9.2
30-34	14.3	14.3	11.9	11.7	12.3	12.6
35-39	13.5	13.3	12.5	11.7	11.2	12.3
40-44	12.0	11.3	10.6	10.3	9.8	10.4
45-49	9.2	9.4	8.6	8.7	9.0	9.0
50-54	6.8	6.5	5.4	6.5	5.8	6.4
55 and over	2.5	2.5	2.2	2.2	2.0	2.1
Marital status at marriage -						
Never married	9,430	9,246	8,431	8,276	8,199	8,666
Widowed	137	154	152	132	117	115
Divorced	1,096	1,101	1,105	1,262	1,310	1,469
Median age (years) -						
At marriage	23.7	23.9	23.9	24.2	24.3	24.4
At separation	33.9	34.0	34.4	34.6	34.5	34.9
At divorce	36.5	36.7	37.1	37.3	37.2	37.5
WIFE						
Age-specific divorce rate (b) -						
Age group (years) -						
Under 25	3.7	3.3	3.0	2.8	2.8	2.7
25-29	14.8	13.9	12.4	11.9	11.8	12.0
30-34	13.9	13.9	12.3	12.2	11.8	12.7
35-39	12.3	12.3	11.4	10.8	10.8	11.3
40-44	10.2	10.2	9.5	9.2	8.8	9.4
45-49	7.5	7.5	6.5	7.4	7.2	7.8
50-54	5.1	4.7	4.1	4.6	4.2	4.4
55 and over	1.3	1.3	1.2	1.1	1.0	1.1
Marital status at marriage -						
Never married	9,437	9,209	8,477	8,288	8,241	8,748
Widowed	178	192	171	169	152	146
Divorced	1,048	1,100	1,040	1,213	1,233	1,356
Median age (years) -						
At marriage	21.2	21.4	21.5	21.6	21.8	21.9
At separation	31.2	31.3	31.7	31.8	31.8	32.2
At divorce	33.7	34.1	34.4	34.7	34.6	34.9

(a) Number of divorces per 1,000 of the mean estimated resident population.

(b) Number of divorces by age per 1,000 of the estimated resident population in specific age groups.

## CRUDE DIVORCE RATES, VICTORIA AND AUSTRALIA, 1970 TO 1988



NOTE: Introduction of Family Law Act 1975, effective 5 January 1976.

TABLE 2.15 CIVILIAN POPULATION 15 YEARS AND OVER: MARITAL STATUS, VICTORIA, 30 JUNE 1986

Census years	Total persons	Marital Status				
		Never married	Married	Separated/ not divorced	Divorced	Widowed
MALES						
	Number	Per cent	Per cent	Per cent	Per cent	Per cent
1954	884,536	29.2	64.7	1.7	0.8	3.5
1961	1,026,543	29.5	64.8	1.8	0.8	3.1
1966	1,132,374	30.4	64.1	1.8	0.9	2.9
1971	1,231,529	29.1	65.2	1.8	1.1	2.8
1976	1,304,350	29.1	64.6	2.2	1.6	2.5
1981	1,409,315	31.1	61.5	2.1	2.8	2.5
1986	1,519,925	32.8	59.1	2.1	3.6	2.4
FEMALES						
	Number	Per cent	Per cent	Per cent	Per cent	Per cent
1954	889,806	22.2	63.6	2.0	1.0	11.2
1961	1,029,414	21.6	64.2	2.1	1.0	11.1
1966	1,147,632	22.7	62.9	2.1	1.1	11.2
1971	1,258,273	21.3	64.0	2.1	1.3	11.3
1976	1,344,957	21.6	62.5	2.7	2.1	11.1
1981	1,461,145	23.6	59.1	2.5	3.7	11.1
1986	1,578,967	25.4	57.0	2.4	4.6	10.6

TABLE 2.16 BIRTHPLACE BY AGE GROUPS AND SEX, VICTORIA, 30 JUNE 1986

Birthplace	Age group (years)				Sex		
	0-14	15-24	25-54	55 and over	Males	Females	Persons
Australia	856,091	575,672	1,068,492	532,289	1,487,224	1,545,321	3,032,545
New Zealand	4,725	6,855	18,404	4,021	16,961	17,042	34,003
Other Oceania	1,337	1,846	3,241	531	3,405	3,551	6,955
Europe -							
U.K. and Republic of Ireland	10,347	26,988	132,163	81,050	125,663	124,886	250,548
Austria	170	292	3,937	2,465	3,705	3,158	6,863
Czechoslovakia	300	272	2,274	2,304	2,853	2,293	5,147
Germany	987	1,813	20,942	9,920	16,550	17,112	33,663
Greece	896	4,502	48,470	13,928	34,420	33,376	67,797
Hungary	135	151	4,370	3,877	4,623	3,912	8,536
Italy	719	4,843	65,129	38,514	57,818	51,385	109,203
Latvia, Lithuania, and Estonia	10	20	1,536	4,457	3,066	2,961	6,025
Malta	582	1,403	19,786	5,251	14,387	12,633	27,019
Netherlands	623	1,030	18,576	9,106	15,676	13,657	29,334
Poland	1,168	775	8,989	13,707	12,647	11,993	24,639
USSR n.e.i.	343	461	2,740	5,577	4,386	4,731	9,120
Yugoslavia	1,554	7,605	39,926	10,225	31,533	27,777	59,311
Other	1,846	2,790	12,727	4,963	11,892	10,443	22,332
<b>Total</b>	<b>19,680</b>	<b>52,945</b>	<b>381,565</b>	<b>205,344</b>	<b>339,219</b>	<b>320,317</b>	<b>659,537</b>
Asia -							
China	404	564	4,622	3,006	4,260	4,338	8,600
Cyprus	490	1,440	6,353	2,259	5,319	5,225	10,542
Hong Kong	1,363	1,480	3,204	316	3,186	3,177	6,363
India	876	1,906	8,689	3,066	7,249	7,288	14,535
Cambodia, Laos	1,363	1,760	3,019	435	3,294	3,283	6,575
Lebanon	1,073	2,473	6,548	1,193	5,969	5,316	11,285
Malaysia	1,772	5,397	6,895	595	7,402	7,261	14,662
Philippines	1,222	908	4,592	576	2,414	4,883	7,296
Singapore	595	658	1,766	217	1,485	1,748	3,233
Sri Lanka	944	1,500	7,042	2,531	5,929	6,083	12,014
Turkey	963	3,368	6,871	1,254	6,450	6,005	12,454
Vietnam	5,903	6,792	13,905	1,301	15,542	12,356	27,900
Other	3,549	3,243	10,812	2,647	10,257	9,999	20,260
<b>Total</b>	<b>20,517</b>	<b>31,489</b>	<b>84,318</b>	<b>19,396</b>	<b>78,756</b>	<b>76,962</b>	<b>155,719</b>
America -							
Canada	708	768	1,786	604	1,864	2,003	3,867
Chile	962	1,257	2,811	326	2,642	2,714	5,354
U.S.A.	1,424	1,527	4,540	1,147	4,446	4,192	8,638
Other	1,556	1,633	4,449	623	4,028	4,234	8,263
<b>Total</b>	<b>4,650</b>	<b>5,185</b>	<b>13,586</b>	<b>2,700</b>	<b>12,980</b>	<b>13,143</b>	<b>26,122</b>
Africa -							
Republic of South Africa	1,682	1,412	4,321	1,257	4,209	4,463	8,670
Arab Republic of Egypt	178	689	6,981	3,556	5,813	5,591	11,405
Other	925	2,108	7,908	1,921	6,606	6,256	12,863
<b>Total</b>	<b>2,785</b>	<b>4,209</b>	<b>19,210</b>	<b>6,734</b>	<b>16,628</b>	<b>16,310</b>	<b>32,938</b>
<b>Total overseas</b>							
<b>born (a)</b>	<b>53,694</b>	<b>102,526</b>	<b>520,328</b>	<b>238,731</b>	<b>467,949</b>	<b>447,325</b>	<b>915,272</b>
Not stated	10,801	9,007	31,789	20,062	36,296	35,364	71,661
<b>Total population</b>	<b>920,586</b>	<b>687,205</b>	<b>1,620,609</b>	<b>791,082</b>	<b>1,991,469</b>	<b>2,028,010</b>	<b>4,019,478</b>

(a) Includes persons born at sea.





**TABLE 2.19 PERSONS (a) WHO SPOKE A LANGUAGE OTHER THAN ENGLISH AT HOME:  
LANGUAGE SPOKEN BY AGE GROUP, VICTORIA, 30 JUNE 1986**

<i>Language spoken</i>	<i>Age group (years)</i>				<i>Total</i>
	<i>5-19</i>	<i>20-34</i>	<i>35-64</i>	<i>65 and over</i>	
Arabic/Lebanese	7,888	6,498	6,811	748	21,945
Chinese	10,224	14,104	11,689	2,017	38,034
Dutch	1,403	3,109	10,219	3,346	18,077
French	2,653	4,070	6,289	1,431	14,443
German	3,481	5,589	18,278	4,895	32,243
Greek	38,110	27,579	53,223	5,062	123,974
Italian	39,912	42,542	75,740	15,107	173,211
Maltese	5,755	7,508	14,377	1,915	29,555
Polish	2,869	4,684	10,285	4,293	22,131
Serbian/Croatian	7,751	4,729	10,915	817	24,212
Spanish	5,684	4,323	7,059	512	17,578
Vietnamese	6,433	9,124	3,730	315	19,602
Other	36,169	42,233	63,265	13,113	154,780
<b>Total (b)</b>	<b>176,778</b>	<b>183,322</b>	<b>306,404</b>	<b>59,271</b>	<b>725,775</b>

(a) Excludes children aged 0-4 years.

(b) Includes language 'not stated' responses.

**TABLE 2.20 PEOPLE (a) WHO SPOKE A LANGUAGE OTHER THAN ENGLISH AT HOME:  
BIRTHPLACE AND PERIOD OF ARRIVAL BY AGE, VICTORIA, 30 JUNE 1986**

Proficiency in English	Age group (years)				Total
	5-24	25-44	45-64	65 and over	
OVERSEAS BORN: ARRIVED 1982 TO 1986					
Speaks English -					
Well or very well	19,986	16,887	2,476	603	39,952
Not well	7,247	10,113	2,220	524	20,104
Not at all	1,284	1,946	2,129	1,724	7,083
Total (a)	28,960	29,105	6,869	2,858	67,792
OVERSEAS BORN: ARRIVED BEFORE 1982					
Speaks English -					
Well or very well	46,372	126,136	112,514	25,869	310,891
Not well	1,970	27,117	46,522	15,500	91,109
Not at all	206	1,369	4,345	6,724	12,644
Total (a)	48,778	155,395	164,026	48,411	416,610
AUSTRALIAN BORN					
Speaks English -					
Well or very well	151,056	36,700	6,152	1,844	195,752
Not well	5,057	1,711	988	482	8,238
Not at all	686	232	161	230	1,309
Total (a)	159,102	40,075	8,018	3,575	210,770

(a) Includes proficiency in English not stated, but excludes language spoken not stated.



TABLE 2.21 ANCESTRY (a) OF THE POPULATION, BY SEX, VICTORIA, 30 JUNE 1986

Ancestry	Males	Females	Persons	Proportion of total
English	626,462	642,109	1,268,571	31.6
Australian	343,237	361,870	705,107	17.5
Italian	106,457	97,994	204,451	5.1
Greek	67,476	64,754	132,230	3.3
Irish	57,089	55,801	112,890	2.8
Scottish	47,469	43,734	91,203	2.3
British, so described	34,635	38,752	73,387	1.8
English - Irish	29,101	36,582	65,683	1.6
German	26,437	25,969	52,406	1.3
Chinese	24,622	24,070	48,692	1.2
Dutch	24,958	22,542	47,500	1.2
English- Scottish	21,086	26,088	47,174	1.2
Maltese	23,562	21,253	44,815	1.1
Australian - English	20,066	23,362	43,428	1.1
Yugoslavian	19,449	17,144	36,593	0.9
Polish	16,136	15,137	31,273	0.8
Irish - Scottish	10,793	13,049	23,842	0.6
English - German	10,013	11,257	21,270	0.5
Lebanese	7,638	7,160	14,798	0.4
Aboriginal	3,341	3,558	6,899	0.2
Other and not classifiable	313,480	313,244	626,724	15.6
Not stated	157,962	162,580	320,542	8.0
<b>Total</b>	<b>1,991,469</b>	<b>2,028,009</b>	<b>4,019,478</b>	<b>100.0</b>

(a) As stated.

TABLE 2.22 RELIGIOUS DENOMINATION OF THE POPULATION, VICTORIA, 30 JUNE 1986

Religious denomination	Males	Females	Persons	Per cent
Christian -				
Anglican	337,743	377,671	715,414	17.8
Baptist	18,397	21,387	39,784	1.0
Brethren	1,926	2,196	4,122	0.1
Catholic	540,860	563,184	1,104,044	27.5
Congregational	687	745	1,432	0.0
Churches of Christ	10,701	13,344	24,045	0.6
Jehovah's Witnesses	5,468	6,756	12,224	0.3
Latterday Saints	3,167	3,480	6,647	0.2
Lutheran	17,647	19,261	36,908	0.9
Oriental Christian	954	923	1,877	0.0
Orthodox	90,202	87,363	177,565	4.4
Pentecostal	9,532	10,772	20,304	0.5
Presbyterian	64,641	73,359	138,000	3.4
Salvation Army	7,799	9,662	17,461	0.4
Seventh Day Adventist	3,515	4,277	7,792	0.2
Uniting Church	128,403	151,859	280,262	7.0
Other Protestant	40,292	47,265	87,557	2.2
Other Christian	44,104	46,652	90,756	2.3
<b>Total Christian</b>	<b>1,326,038</b>	<b>1,440,156</b>	<b>2,766,194</b>	<b>68.8</b>



**TABLE 2.22 RELIGIOUS DENOMINATION OF THE POPULATION, VICTORIA,  
30 JUNE 1986 - continued**

<i>Religious denomination</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Per cent</i>
Other religions -				
Buddhist	12,201	11,065	23,266	0.6
Hindu	2,776	2,338	5,114	0.1
Jewish	15,714	16,673	32,387	0.8
Muslim	20,145	17,820	37,965	0.9
Other non Christian	3,359	3,106	6,465	0.2
<b>Total other religions</b>	<b>54,195</b>	<b>51,002</b>	<b>105,197</b>	<b>2.6</b>
Other groups -				
Non-theistic	634	382	1,016	0.0
Inadequately described	8,124	6,296	14,420	0.4
No religion	308,684	249,255	557,939	13.9
Not stated	293,794	280,918	574,712	14.3
<b>Total</b>	<b>1,991,469</b>	<b>2,028,009</b>	<b>4,019,478</b>	<b>100.0</b>

## REFERENCES

### Data Sources

The statistics in this chapter are derived from various sources including the Census of Population and Housing, the latest of which was conducted at 30 June 1986.

The estimated resident population was compiled according to the place of usual residence of the population. An explanation of the conceptual basis is given in the ABS Information Paper entitled *Population Estimates: An Outline of the New Conceptual Basis of ABS Population Estimates* (3216.0).

Data on overseas arrivals and departures and persons granted Australian citizenship are compiled from information supplied by the Department of Immigration Local Government and Ethnic Affairs.

Births, deaths, and marriages are compiled from data supplied by the Registrar of Births, Deaths and Marriages while divorce statistics are compiled from Statistical Reports completed by the Family Court of Australia.

### ABS publications

- Older People in Victoria* (2501.2)
- Australian Demographic Statistics* (3101.0)
- Estimated Resident Population by Sex and Age: States and Territories of Australia* (3201.0)
- Estimated Resident Population in Statistical Local Areas, Revised Intercensal Estimates, Victoria* (3202.2)
- Estimated Resident Population in Statistical Local Areas, Victoria, Preliminary* (3203.2)
- Projections of the Populations of Australia, States and Territories* (3222.0)
- Births, Australia* (3301.0)
- Deaths, Australia* (3302.0)
- Births, Victoria* (3305.2)
- Marriages, Australia* (3306.0)
- Deaths, Victoria* (3306.2)
- Divorces, Australia* (3307.0)
- Marriages, Victoria* (3307.2)
- Divorces, Victoria* (3308.2)
- Overseas Arrivals and Departures, Australia* (3404.0)
- Census of Population and Housing, 30 June 1971, 1976, 1981 and 1986*

# 3

## LABOUR

The conceptual framework adopted by the ABS for collecting labour force statistics (as shown in figure 4 on page 49) is compatible with the standards for labour force classification recommended by the International Labour Organisation (ILO).

### Employment and unemployment

In August 1989 there were 2,049,800 employed persons in Victoria. This represented 61.0 per cent of the civilian population aged 15 years of age and over and 27.0 per cent of employed persons across Australia. A total of 93,600 Victorians were unemployed in August 1989, a decrease of 19.0 per cent over the year. The Victorian unemployment rate of 4.4 per cent of the labour force compared with an Australian average unemployment rate of 5.7 per cent. The Victorian unemployment rate varied markedly within the state. In the Melbourne Statistical Division (MSD) it averaged 3.7 per cent compared with an average of 6.0 per cent in country Victoria. Within the MSD, the highest unemployment rate of 6.2 per cent occurred in the North Western Melbourne region and the lowest of 2.6 per cent occurred in the Inner Eastern and Southern Melbourne regions. In country Victoria, the highest unemployment rate of 6.9 per cent occurred in the Western region of Victoria, while the lowest of 5.2 per cent occurred in the Northern region of Victoria.

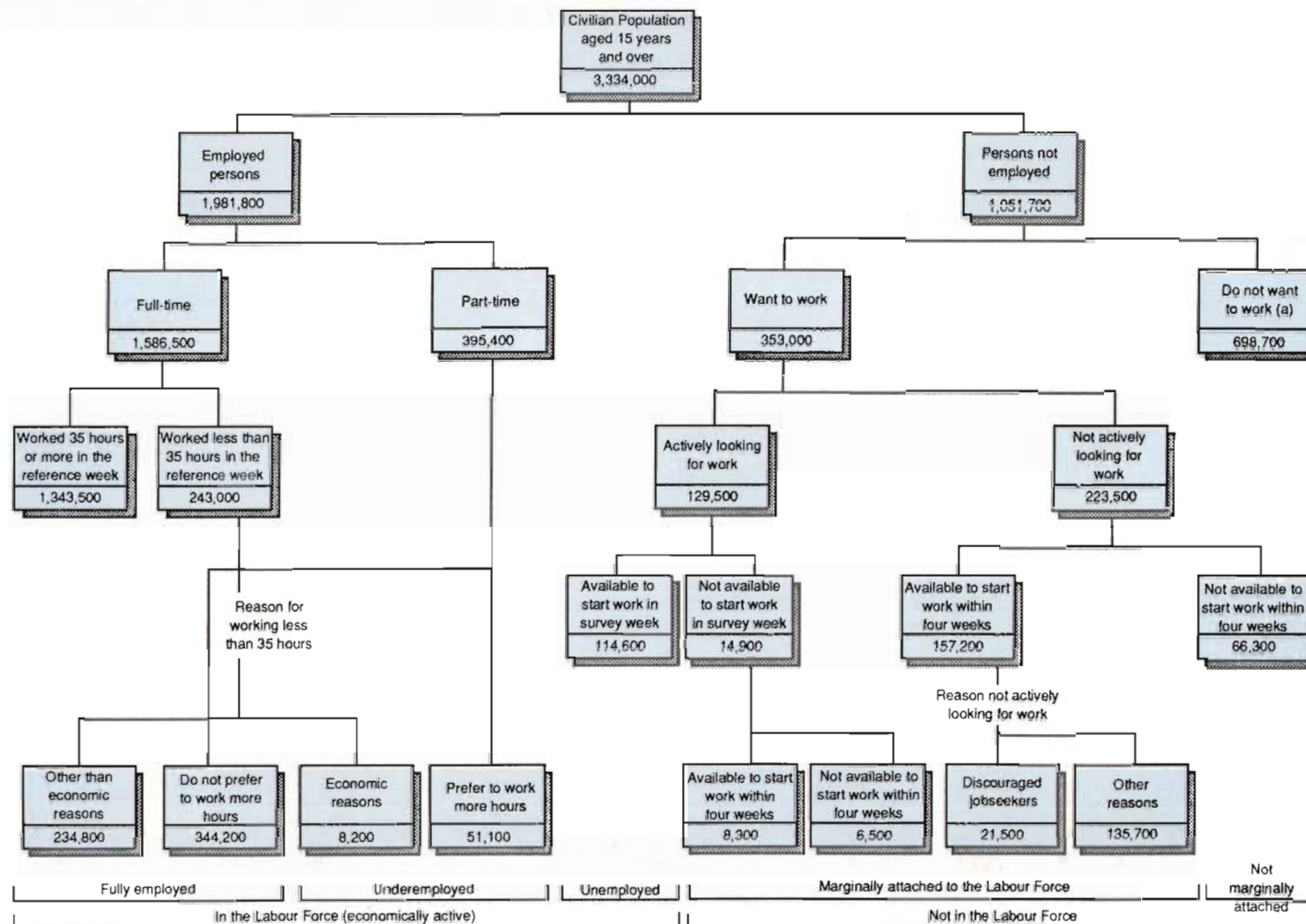
Since the mid 1960's the Victorian unemployment rate has generally been lower than that for Australia. During the early 1980's the seasonally adjusted unemployment rate increased from just below 6.0 per cent to a peak of over 9.0 per cent in 1983. Since 1983 there has been a sustained decline in the unemployment rate.

### Youth unemployment

For a number of years, the labour force characteristics of teenagers, particularly the unemployment rate, have attracted considerable interest. In particular there have been some mistaken inferences that the teenage unemployment rate reflects the teenage unemployed as a percentage of all teenagers. It has also been suggested that the teenage unemployment rate is misleading because it takes no account of whether teenagers who are classified as unemployed attend educational institutions.

All the unemployment rates published by the ABS are calculated using ILO recommendations. These recommendations are used by the majority of Western countries, thus allowing reasonable international comparisons of labour force data. Further, as the rates are strictly defined in terms of the components of the labour force, rates for various population groups (which may differ on a range of social and demographic characteristics) can be compared on a constant basis.

Table 3.4 on page 52 shows the various characteristics of the unemployed persons aged 15 to 19 years in August 1989.



(a) Includes the institutionalised, boarding school pupils, and persons permanently unable to work.

Figure 4. The Labour Force framework, Victoria, September 1988



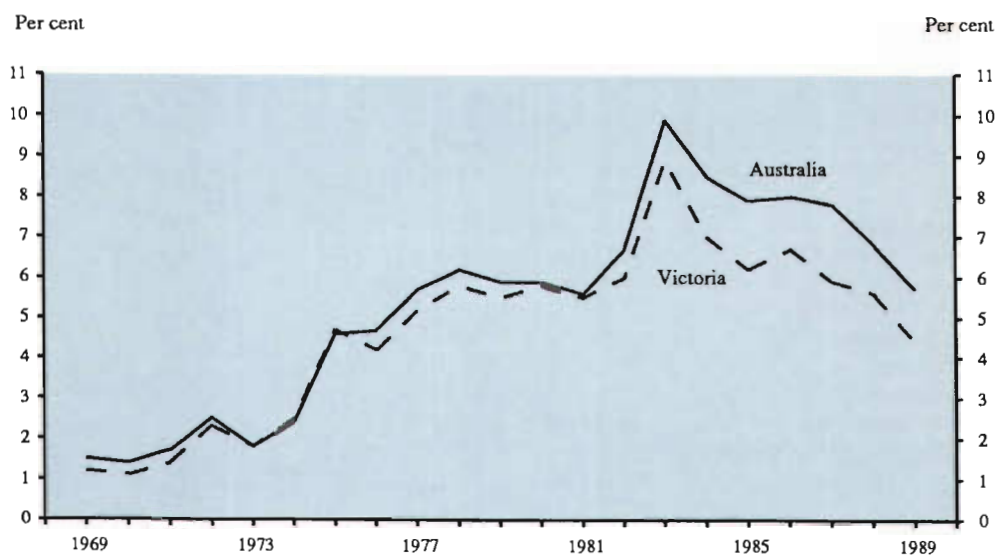
TABLE 3.1 EMPLOYED PERSONS, BY AGE, VICTORIA  
(000)

		Age group (years)							65 and over	Total
Month		15-19	20-24	25-34	35-44	45-54	55-59	60-64		
MALES										
1988 -	June r	94.8	141.1	313.7	282.4	191.3	72.8	46.6	19.7	1,162.4
	July r	95.5	142.6	311.1	286.7	190.2	70.0	46.8	19.0	1,162.0
	August r	89.1	139.7	308.5	286.3	187.3	69.1	45.4	17.4	1,142.8
	September r	94.6	139.7	315.6	290.2	190.5	69.8	47.9	19.7	1,167.8
	October r	88.7	139.3	316.5	290.1	192.2	69.6	45.3	19.7	1,161.4
	November r	87.4	137.4	315.7	290.2	193.8	70.6	48.4	20.3	1,163.8
	December r	103.2	145.6	319.1	288.9	193.6	70.9	44.9	19.3	1,185.5
1989 -	January r	96.5	141.2	314.5	284.6	188.6	69.8	45.4	17.2	1,157.8
	February	97.7	147.0	317.4	291.4	194.6	69.9	48.9	18.5	1,185.4
	March	98.0	145.4	318.8	293.3	196.6	70.9	50.1	18.2	1,191.3
	April	99.4	151.2	321.6	293.3	198.8	71.2	49.6	18.5	1,203.6
	May	101.4	146.4	324.3	295.6	199.9	71.6	50.0	19.1	1,208.3
	June	103.5	148.4	322.4	294.6	199.8	70.8	48.1	19.1	1,206.8
	July	101.8	151.7	325.0	293.9	197.0	71.4	46.7	19.4	1,206.9
	August	98.9	142.3	323.0	293.0	203.2	71.3	48.5	17.7	1,197.8
FEMALES										
1988 -	June r	88.0	120.3	210.4	202.5	112.4	28.3	13.4	6.0	781.3
	July r	85.1	123.0	217.5	196.8	112.2	27.1	12.6	7.4	781.7
	August r	82.2	123.3	211.9	207.4	114.8	28.2	13.1	6.7	787.6
	September r	83.2	127.0	221.3	212.5	119.3	30.5	13.8	6.3	814.0
	October r	78.3	124.9	222.5	208.5	119.0	28.0	13.2	6.1	800.4
	November r	83.5	125.9	228.4	211.7	122.8	29.3	14.2	6.2	822.0
	December r	97.0	129.0	225.4	212.6	127.7	30.4	14.4	6.8	843.2
1989 -	January r	89.0	129.8	212.5	199.5	116.9	28.6	12.8	5.1	794.3
	February	87.8	133.4	218.3	203.4	124.1	31.2	14.1	6.1	818.4
	March	86.8	133.2	225.1	212.1	127.2	29.5	16.0	4.6	834.5
	April	86.2	135.9	227.6	207.5	128.9	29.7	15.2	4.0	835.0
	May	86.2	134.3	229.7	216.7	127.2	30.1	16.7	5.4	846.5
	June	87.3	128.6	228.0	217.8	130.0	28.7	18.1	5.6	844.1
	July	92.3	132.0	229.5	213.2	130.8	29.1	14.8	6.5	848.1
	August	85.1	130.3	233.1	222.4	129.3	29.4	15.1	7.2	852.0
PERSONS										
1988 -	June r	182.9	261.5	524.1	484.9	303.7	101.1	60.0	25.6	1,943.7
	July r	180.6	265.6	528.6	483.5	302.4	97.1	59.4	26.5	1,943.7
	August r	171.4	262.9	520.4	493.7	302.1	97.3	58.6	24.1	1,930.5
	September r	177.7	266.7	536.9	502.7	309.9	100.2	61.7	25.9	1,981.8
	October r	167.0	264.2	539.0	498.6	311.2	97.6	58.5	25.8	1,961.8
	November r	170.9	263.3	544.0	501.9	316.6	99.9	62.5	26.6	1,985.8
	December r	200.1	274.6	544.5	501.6	321.3	101.3	59.3	26.1	2,028.8
1989 -	January r	185.5	270.9	527.1	484.2	305.5	98.5	58.2	22.2	1,952.1
	February	185.5	280.4	535.7	494.8	318.7	101.1	63.0	24.6	2,003.8
	March	184.7	278.6	543.9	505.4	323.8	100.4	66.2	22.7	2,025.7
	April	185.5	287.1	549.2	500.8	327.8	100.9	64.8	22.5	2,038.5
	May	187.7	280.7	554.0	512.3	327.1	101.7	66.7	24.5	2,054.7
	June	190.9	277.0	550.4	512.4	329.7	99.6	66.3	24.7	2,051.0
	July	194.1	283.7	554.5	507.1	327.8	100.5	61.4	26.0	2,055.0
	August	184.0	272.6	556.2	515.4	332.6	100.7	63.5	24.8	2,049.8

**TABLE 3.2 UNEMPLOYED PERSONS: WHETHER LOOKING FOR FULL-TIME OR PART-TIME WORK, VICTORIA**  
(<sup>'000</sup>)

August	Males			Females			Persons			Unemployment rate per cent
	Looking for full-time work	Looking for part-time work	Total	Looking for full-time work	Looking for part-time work	Total	Looking for full-time work	Looking for part-time work	Total	
1969	7.6	*0.3	7.8	6.2	*3.4	9.6	13.8	*3.7	17.4	1.2
1970	7.9	*0.6	8.4	4.2	*3.4	7.5	12.0	*3.9	16.0	1.1
1971	10.2	*1.8	11.9	6.1	*3.4	9.5	16.3	5.2	21.4	1.4
1972	17.5	*2.4	20.0	10.8	6.6	17.5	28.4	9.1	37.4	2.3
1973	7.8	7.2	15.0	8.8	5.3	14.1	16.6	12.4	29.0	1.8
1974	15.9	*2.1	18.0	17.3	6.0	23.3	33.2	8.1	41.3	2.5
1975	29.9	7.1	37.0	27.3	14.8	40.9	57.2	20.8	77.9	4.7
1976	27.9	7.3	35.2	23.3	12.1	35.4	51.2	19.4	70.6	4.2
1977	34.4	7.5	41.9	30.4	17.7	48.1	64.8	25.2	90.0	5.2
1978	47.6	4.1	51.7	34.1	15.0	49.1	81.7	19.0	100.8	5.8
1979	46.1	*3.4	49.4	31.5	14.8	46.3	77.6	18.1	95.7	5.5
1980	49.1	4.1	53.1	38.0	12.8	50.8	87.0	16.9	103.9	5.8
1981	46.1	4.2	50.3	36.7	13.6	50.4	82.8	17.9	100.7	5.5
1982	55.1	7.1	62.3	33.9	13.9	47.8	89.0	21.1	110.1	6.0
1983	86.5	6.0	92.5	52.9	17.8	70.7	139.4	23.8	163.2	8.9
1984r	68.7	6.3	75.1	39.4	15.2	54.6	108.1	21.5	129.6	7.0
1985r	60.1	5.9	65.9	34.9	16.3	51.2	95.0	22.1	117.1	6.2
1986r	65.9	8.2	74.1	38.7	19.5	58.2	104.6	27.7	132.3	6.7
1987r	56.3	8.1	64.4	35.7	21.5	57.1	91.9	29.6	121.5	5.9
1988r	50.8	6.3	57.1	38.8	19.0	57.8	89.7	25.2	114.9	5.6
1989	42.5	7.2	49.7	24.8	19.1	43.9	67.2	26.3	93.6	4.4

**UNEMPLOYMENT RATES, VICTORIA AND AUSTRALIA**  
(August)





**TABLE 3.3 UNEMPLOYED PERSONS, BY AGE AND SEX, VICTORIA**  
(<sup>'000</sup>)

August	Age group (years)											
	15 to 19			20-24			25 and over			Total		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
1969	*2.0	*3.1	5.0	*1.0	*2.1	*3.1	4.9	4.5	9.4	7.8	9.6	17.5
1970	*2.0	*2.2	4.2	*1.6	*0.9	*2.5	4.7	4.4	9.2	8.4	7.5	16.0
1971	*1.6	*2.6	4.2	*3.0	*1.7	4.7	7.3	5.1	12.5	11.9	9.5	21.4
1972	6.4	*3.9	10.2	*3.3	*3.3	6.6	10.3	10.4	20.6	20.0	17.5	37.5
1973	5.5	4.0	9.5	4.0	*2.0	6.1	5.4	8.0	13.5	15.0	14.1	29.0
1974	4.2	5.8	9.9	*2.8	*3.9	6.8	10.9	13.6	24.5	18.0	23.3	41.3
1975	9.4	15.7	25.1	6.7	6.2	12.9	21.0	19.1	40.0	37.0	40.9	77.9
1976	11.8	12.2	24.0	7.5	6.0	13.6	15.9	17.1	33.0	35.2	35.4	70.6
1977	13.5	19.2	32.7	6.4	9.5	15.9	22.0	19.4	41.4	41.9	48.1	90.0
1978	15.8	16.4	32.3	10.8	10.1	20.9	25.1	22.6	47.6	51.7	49.1	100.8
1979	13.5	16.9	30.4	10.2	8.0	18.2	25.7	21.4	47.1	49.4	46.3	95.7
1980	15.4	16.0	31.3	14.3	10.6	24.9	23.0	24.1	47.1	52.7	50.6	103.3
1981	13.6	16.7	30.5	11.8	10.5	22.3	24.7	23.2	47.8	50.3	50.4	100.7
1982	18.3	13.4	31.8	15.2	9.6	24.8	28.7	24.8	53.5	62.3	47.8	110.1
1983	20.4	24.0	44.3	20.3	13.8	34.0	51.9	33.0	84.9	92.5	70.7	163.2
1984r	18.6	18.5	37.1	15.5	11.9	27.4	41.0	24.1	65.1	75.1	54.6	129.6
1985r	17.5	14.5	32.0	12.7	11.1	23.8	35.7	25.6	61.3	65.9	51.2	117.1
1986r	21.0	16.9	38.0	14.5	11.0	25.4	38.6	30.3	68.9	74.1	58.2	132.3
1987r	16.2	16.7	32.9	10.7	12.5	23.2	37.5	28.0	65.5	64.4	57.1	121.5
1988r	13.7	15.1	28.8	12.0	11.8	23.7	31.5	30.9	62.3	57.1	57.8	114.9
1989	13.5	14.0	27.5	10.6	7.8	18.4	25.6	22.0	47.7	49.7	43.9	93.6

**TABLE 3.4 YOUTH UNEMPLOYMENT: UNEMPLOYED PERSONS AGED 15-19 YEARS BY DURATION OF UNEMPLOYMENT AND SCHOOL ATTENDANCE, VICTORIA**  
**AUGUST 1989**

Particulars	Males	Females	Persons
Number ( <sup>'000</sup> )			
Duration of unemployment -			
Under 13 weeks	7.4	6.9	14.3
13 weeks and under 52	*4.1	5.3	9.3
52 weeks and over	*2.1	*1.8	*3.9
<b>Total</b>	<b>13.5</b>	<b>14.0</b>	<b>27.5</b>
Duration of unemployment (weeks)			
Average mean duration	22.1	20.8	21.4
Median duration	*8.0	*13.0	12.0
Number ( <sup>'000</sup> )			
School attendance			
Attending -	5.1	5.7	10.8
Not attending -			
Left before 1988	*4.3	*3.8	8.2
Left from 1988 to survey date	*4.0	4.5	8.5
<b>Total</b>	<b>13.5</b>	<b>14.0</b>	<b>27.5</b>





Figure 5(a). Labour force regions, Victoria

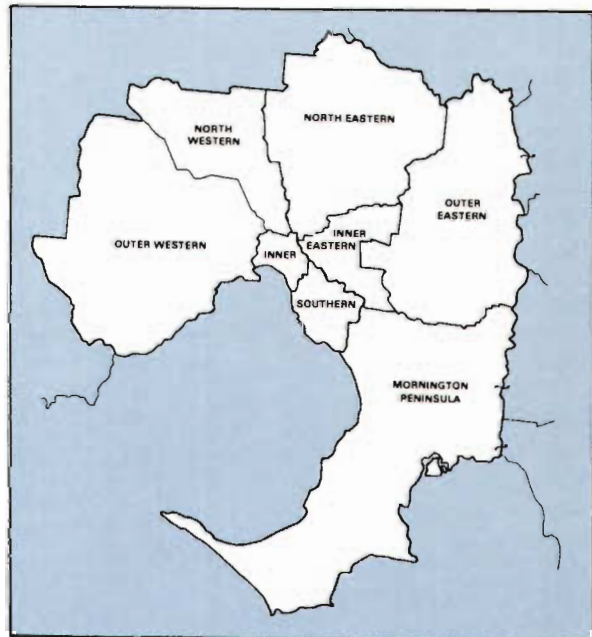


Figure 5(b). Labour force regions, Melbourne Statistical Division

**TABLE 3.5 CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS, VICTORIAN REGIONS, AUGUST 1989**

Region	Employed			Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Unemp- loyment rate (Per cent)	Partici- pation rate
	Full- time ( <sup>'000</sup> )	Part- time ( <sup>'000</sup> )	Total ( <sup>'000</sup> )					
MALES								
Melbourne Statistical Division -	803.9	63.7	867.7	32.8	900.4	281.0	3.6	76.2
Outer Western Melbourne	125.4	5.0	130.4	7.4	137.8	40.5	5.4	77.3
North Western Melbourne	57.4	*2.6	59.9	3.9	63.8	21.1	6.1	75.1
Inner Melbourne	53.8	6.8	60.7	*3.1	63.8	24.5	*4.9	72.3
North Eastern Melbourne	107.2	7.7	115.0	5.0	120.0	38.9	4.1	75.5
Inner Eastern Melbourne	109.1	13.7	122.8	*3.1	125.9	43.6	*2.5	74.3
Southern Melbourne	94.5	13.5	108.0	*2.9	110.9	41.9	*2.6	72.6
Outer Eastern Melbourne	116.0	9.0	125.0	*2.9	128.0	28.7	*2.3	81.7
Mornington Peninsula	140.5	5.3	145.8	4.5	150.3	41.7	3.0	78.3
Balance of Victoria -	304.3	25.9	330.2	16.9	347.1	133.8	4.9	72.2
South Western Victoria	76.6	4.7	81.3	4.8	86.1	38.1	5.6	69.3
Western Victoria	58.7	6.6	65.2	*4.3	69.5	25.5	*6.2	73.2
Northern Victoria	103.1	8.7	111.8	4.4	116.3	41.0	3.8	73.9
Eastern Victoria	66.0	5.9	71.8	*3.4	75.2	29.2	*4.5	72.0
Total	1,108.2	89.6	1,197.8	49.7	1,247.5	414.8	4.0	75.0
MARRIED FEMALES								
Melbourne Statistical Division -	206.7	161.0	367.7	9.5	377.3	316.6	2.5	54.4
Outer Western Melbourne	32.1	20.9	53.0	*2.2	55.2	54.3	*4.0	50.4
North Western Melbourne	14.4	10.0	24.4	*0.5	24.9	25.6	*2.1	49.3
Inner Melbourne	11.9	4.0	15.9	*0.5	16.4	12.9	*2.9	55.9
North Eastern Melbourne	26.8	20.9	47.7	*0.2	47.9	46.3	*0.5	50.9
Inner Eastern Melbourne	28.8	25.4	54.2	*1.3	55.4	42.4	*2.3	56.6
Southern Melbourne	22.6	19.6	42.1	*0.5	42.6	43.0	*1.2	49.8
Outer Eastern Melbourne	30.2	32.4	62.6	*2.3	64.9	35.8	*3.5	64.5
Mornington Peninsula	39.9	27.9	67.8	*2.0	69.8	56.3	*2.9	55.4
Balance of Victoria -	68.9	77.8	146.7	7.4	154.1	153.7	4.8	50.1
South Western Victoria	15.9	19.1	35.0	*1.9	36.9	40.5	*5.3	47.7
Western Victoria	11.8	17.8	29.6	*1.8	31.4	27.7	*5.7	53.2
Northern Victoria	27.7	24.6	52.4	*1.7	54.0	51.1	*3.1	51.4
Eastern Victoria	13.6	16.2	29.8	*2.0	31.8	34.5	*6.3	48.0
Total	275.6	238.8	514.5	16.9	531.4	470.3	3.2	53.0
ALL FEMALES								
Melbourne Statistical Division -	401.6	230.4	631.9	25.6	657.5	575.0	3.9	53.3
Outer Western Melbourne	57.8	26.7	84.5	4.6	89.1	92.8	5.2	49.0
North Western Melbourne	28.1	13.3	41.4	*2.8	44.1	47.6	*6.3	48.1
Inner Melbourne	36.9	13.5	50.4	*2.2	52.6	38.5	*4.2	57.8
North Eastern Melbourne	51.4	27.4	78.7	*3.0	81.8	79.8	*3.7	50.6
Inner Eastern Melbourne	59.9	37.8	97.6	*2.8	100.4	80.7	*2.8	55.5
Southern Melbourne	49.3	28.9	78.2	*2.2	80.4	73.8	*2.7	52.2
Outer Eastern Melbourne	55.9	42.8	98.7	*3.9	102.5	67.8	*3.8	60.2
Mornington Peninsula	62.4	40.0	102.4	4.1	106.5	94.0	3.8	53.1
Balance of Victoria -	115.3	104.8	220.1	18.3	238.4	251.9	7.7	48.6
South Western Victoria	30.1	26.6	56.7	5.3	62.0	65.0	8.5	48.8
Western Victoria	20.1	22.8	42.9	*3.7	46.5	51.0	*7.9	47.7
Northern Victoria	40.6	31.9	72.5	5.8	78.3	81.5	7.4	49.0
Eastern Victoria	24.5	23.4	48.0	*3.6	51.6	54.5	*7.0	48.6
Total	516.8	335.1	852.0	43.9	895.9	826.8	4.9	52.0

**TABLE 3.5 CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS, VICTORIAN REGIONS, AUGUST 1989 - continued**

Region	Employed			Unemp- loyed ('000)	Labour force ('000)	Not in labour force ('000)	Unemp- loyment rate (Per cent)	Partici- pation rate
	Full- time ('000)	Part- time ('000)	Total ('000)					
	PERSONS							
Melbourne Statistical Division -	1,205.5	294.1	1,499.6	58.4	1,558.0	855.9	3.7	64.5
Outer Western Melbourne	183.1	31.7	214.9	12.1	226.9	133.3	5.3	63.0
North Western Melbourne	85.4	15.9	101.3	6.7	108.0	68.8	6.2	61.1
Inner Melbourne	90.7	20.4	111.1	5.4	116.5	63.0	4.6	64.9
North Eastern Melbourne	158.6	35.1	193.7	8.0	201.7	118.6	4.0	63.0
Inner Eastern Melbourne	169.0	51.5	220.5	5.9	226.3	124.3	2.6	64.6
Southern Melbourne	143.8	42.4	186.3	5.0	191.3	115.7	2.6	62.3
Outer Eastern Melbourne	171.9	51.8	223.7	6.8	230.5	96.5	2.9	70.5
Mornington Peninsula	202.8	45.3	248.2	8.6	256.7	135.7	3.3	65.4
Balance of Victoria -	419.6	130.6	550.2	35.2	585.4	385.7	6.0	60.3
South Western Victoria	106.7	31.3	138.0	10.1	148.1	103.1	6.8	58.9
Western Victoria	78.7	29.4	108.1	8.0	116.1	76.5	6.9	60.3
Northern Victoria	143.7	40.6	184.4	10.2	194.5	122.4	5.2	61.4
Eastern Victoria	90.5	29.3	119.8	7.0	126.7	83.7	5.5	60.2
Total	1,625.1	424.7	2,049.8	93.6	2,143.4	1,241.6	4.4	63.3

### Participation rate

In the last twenty years the movement in participation rates varied according to age. The participation rates of the older age groups (55 years and over) have declined with the most marked changes occurring in the 60 to 64 age group, where participation rates declined from 46.3 per cent in August 1969 to 28.2 per cent in August 1985. Since then, participation rates for this age group have risen to the August 1989 level of 34.4 per cent. In the 15 to 19 year age group participation rates fluctuated between 53.3 per cent and 60.1 per cent, while the 20-54 age group showed a slight but generally consistent increase.

During the last twenty years women have played an increasingly significant role in the labour force. The participation rate for all females has risen from 39.6 per cent in August 1969 to 52.0 per cent in August 1989, while the rate for married females has risen from 35.1 per cent to 53.0 per cent over the same period. The rate for males has dropped from 82.2 per cent in August 1969 to 75.0 per cent in August 1989.

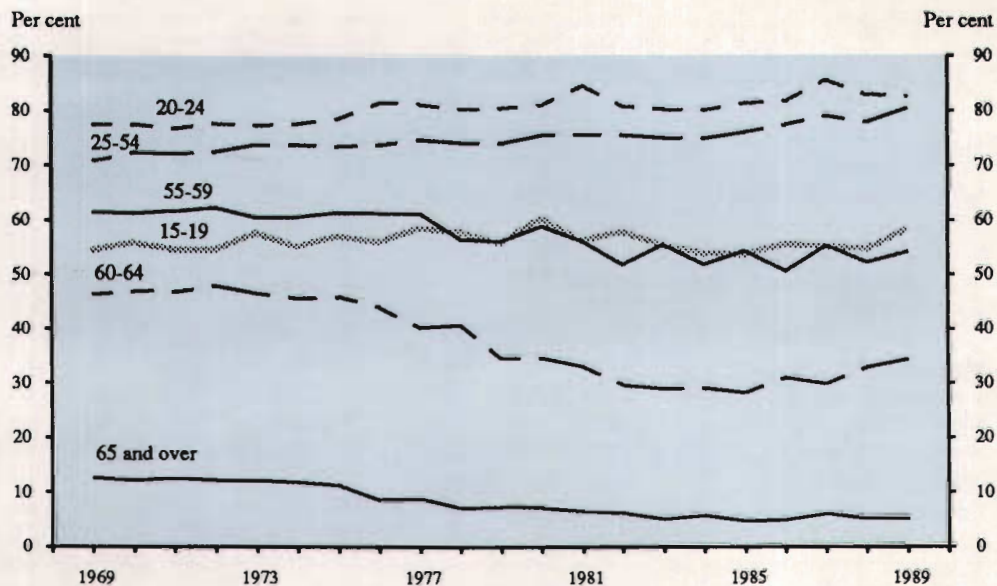
### Industry and occupation

Since 1984 the number of employed wage and salary earners in Victoria has increased by 19.0 per cent. Most industries showed an increase with two notable examples being Construction, rising by 66.5 per cent, and Finance, property and business services increasing by 51.5 per cent. The largest decrease was recorded for the Electricity, gas and water division, down 29.0 per cent.

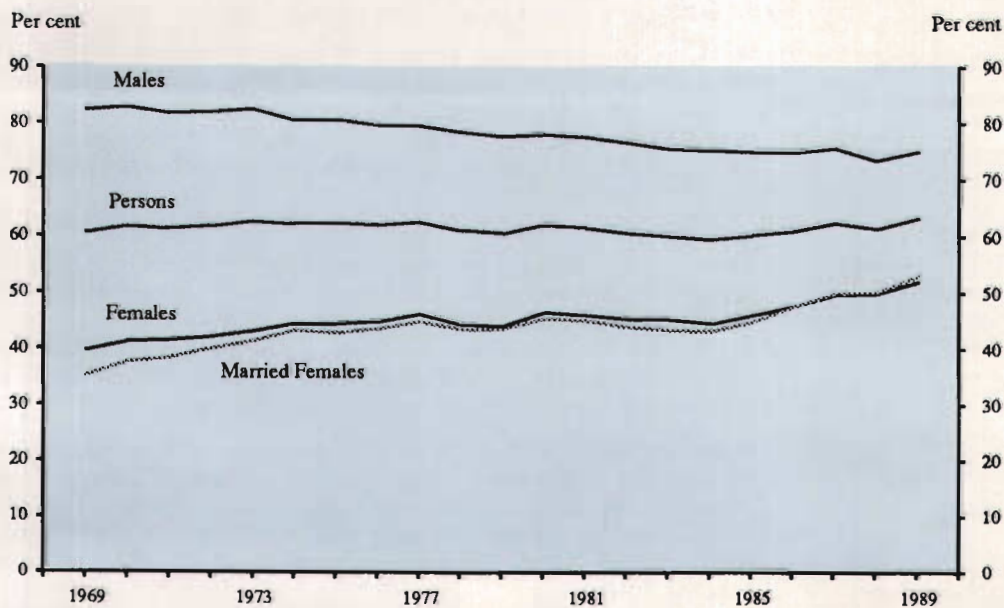
In August 1989, 38.6 per cent of people employed in the Community services division were professionals, while only 3.1 per cent of persons in the Wholesale and retail division were classified as professional. In the Manufacturing division 44.4 per cent of employed persons were plant operators or labourers while in the Construction division the corresponding figure was just over 21.0 per cent.



### PARTICIPATION RATES BY AGE, VICTORIA (August)



### PARTICIPATION RATES BY SEX, VICTORIA (August)





## LABOUR

*Clockwise from top:*

Checking a colour proof in preparation for printing.

(Photo: Collie Cooke Consolidated)

CES servicing employment enquires.

(Photo: Commonwealth Employment Service)

Shopping centre supermarket.

(Photo: Coles Myer Ltd.)

Apprentice, electrical industry trade.

(Photo: State Training Board of Victoria)







Figure 6. Melbourne Statistical Division



TABLE 3.6 EMPLOYED PERSONS: INDUSTRY BY OCCUPATION, VICTORIA, AUGUST 1989  
(<sup>'000</sup>)

Industry division or sub-division	Occupation group								Total
	Managers and administrators	Professionals	Para- professionals	Trades persons	Clerks	Salespersons and personal service workers	Plant and machine operators and drivers	Labourers and related workers	
<b>Agriculture, forestry, fishing, and hunting -</b>	<b>72.4</b>	<b>*0.0</b>	<b>*1.4</b>	<b>*3.4</b>	<b>*4.0</b>	<b>*0.2</b>	<b>*2.8</b>	<b>14.4</b>	<b>98.7</b>
Agriculture and services to agriculture	72.4	*0.0	*0.2	*3.2	*3.3	*0.2	*2.0	12.8	94.2
Mining	*0.0	*0.7	*0.5	*0.5	*1.6	*0.0	*2.2	*1.2	6.8
<b>Manufacturing -</b>	<b>27.4</b>	<b>24.9</b>	<b>9.2</b>	<b>98.8</b>	<b>46.3</b>	<b>17.7</b>	<b>87.6</b>	<b>91.1</b>	<b>402.9</b>
Food, beverages, and tobacco	*2.2	*2.1	*0.2	8.5	*3.7	5.5	11.1	11.3	44.5
Metal products	*2.6	*3.7	*0.5	17.2	7.2	*1.5	9.7	10.3	52.8
Other manufacturing	22.5	19.1	8.4	73.1	35.4	10.7	66.8	69.5	305.5
Electricity, gas, and water	*0.5	*3.9	*2.8	8.7	5.7	*1.1	6.2	*3.0	31.9
Construction	11.0	*4.3	*4.4	84.5	18.3	*1.9	9.6	24.1	158.1
<b>Wholesale and retail trade -</b>	<b>68.3</b>	<b>12.5</b>	<b>4.8</b>	<b>61.0</b>	<b>55.2</b>	<b>146.7</b>	<b>13.1</b>	<b>44.5</b>	<b>406.1</b>
Wholesale trade	21.6	8.4	*2.7	11.9	28.9	20.5	8.7	16.0	118.7
Retail trade	46.7	*4.2	*2.1	49.0	26.3	126.2	*4.4	28.5	287.4
Transport and storage	6.2	*2.6	*4.0	5.9	20.8	5.6	41.9	15.1	102.1
Communication	*0.8	5.1	4.7	9.2	17.5	*0.9	*1.9	*1.6	41.6
Finance, property, and business services	18.6	47.1	7.3	4.6	93.7	43.0	*2.8	16.2	233.3
Public administration and defence	*2.0	12.4	9.6	5.1	29.1	*4.3	6.5	15.2	84.1
Community services	11.5	134.7	68.9	13.7	50.6	25.3	*3.4	41.0	349.2
Recreation, personal, and other services	14.7	11.5	5.4	33.8	8.5	35.6	*0.5	25.0	135.1
<b>Total employed</b>	<b>233.3</b>	<b>259.9</b>	<b>122.9</b>	<b>329.3</b>	<b>351.3</b>	<b>282.3</b>	<b>178.5</b>	<b>292.4</b>	<b>2,049.8</b>

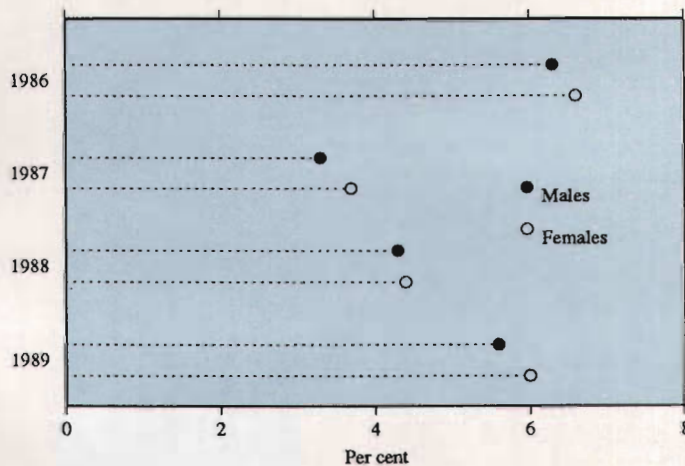
### Earnings and hours

In Victoria, in August 1989 the average weekly hours worked by employed wage and salary earners was 35.3 hours. This has changed marginally in the five years since 1984. However the average weekly hours worked varied markedly by industry. The highest average of 45.7 hours was worked by employees in the mining industry. Employees in this industry currently work an average 10.9 hours more per week than in 1984. At the other end of the scale, average hours per week in the Retail trade subdivision were just under 30, which reflects the greater usage of casual and part-time employees.

**TABLE 3.7 AVERAGE WEEKLY HOURS WORKED BY EMPLOYED WAGE AND SALARY EARNERS BY INDUSTRY, VICTORIA**  
(hours)

Industry division or subdivision	August					
	1984r	1985r	1986r	1987r	1988r	1989
Agriculture and services to agriculture	40.4	39.4	39.5	37.6	38.6	37.6
Mining	34.8	41.7	41.1	42.7	37.6	45.7
Manufacturing -	38.1	37.6	38.1	37.7	38.5	39.0
Food, beverage, and tobacco	37.3	36.8	38.1	35.2	37.6	36.9
Metal products	40.0	38.0	39.2	39.4	39.8	39.7
Other manufacturing	38.0	37.6	37.9	37.9	38.4	39.1
Electricity, gas, and water	36.1	35.2	36.6	36.7	33.0	37.5
Construction	37.2	36.3	38.2	38.0	36.6	38.9
Wholesale and retail trade -	33.4	33.4	34.0	32.7	32.9	32.4
Wholesale trade	38.6	38.5	38.7	39.2	38.7	38.4
Retail trade	31.2	30.5	31.7	29.5	29.8	29.6
Transport and storage	36.7	38.0	38.3	38.4	38.9	38.5
Communication	31.6	34.8	34.1	33.1	34.1	35.0
Finance, property, and business services	36.5	36.6	37.4	35.4	35.9	37.2
Public administration and defence	33.2	31.6	32.9	31.9	33.8	32.3
Community services	32.7	31.9	32.3	32.4	32.6	33.0
Recreation, personal, and other services	29.2	29.8	31.1	29.6	31.1	30.0
<b>Total</b>	<b>35.0</b>	<b>34.7</b>	<b>35.4</b>	<b>34.6</b>	<b>35.0</b>	<b>35.3</b>

**AWARD RATES OF PAY: ANNUAL CHANGE BY GENDER, VICTORIA, YEAR TO AUGUST**



The highest average weekly earnings of \$779.50 were recorded by full-time employees in the Mining division. The lowest average was recorded for employees in the Recreation, personal and other services division, where average weekly earnings decreased to \$414.20 in February 1989 from \$455.10 in February 1988. All other industry divisions recorded an increase in average weekly earnings between February 1988 and February 1989. Within the Manufacturing division, average weekly earnings varied markedly from \$419.90 in the Textile, clothing and footwear subdivision, to \$675.20 in the Chemical, petroleum and coal products subdivision. Average weekly earnings for females were consistently lower than the average for males, with wide variations occurring between industry divisions. The largest difference was in the Mining division, where the average weekly earnings for females was only 63.8 per cent of the male average. The smallest differences were recorded in the Transport and storage and Communication divisions, where the average for females represented 87.2 per cent of the male average.

In August 1988, 5.6 per cent of wage and salary earners aged 15 to 19 years earned \$360 or more per week, compared with 77.4 per cent of this age group who earned between \$120 and \$280 per week. Of wage and salary earners aged 20 to 24, 45.5 per cent earned in excess of \$360 per week. Overall, 157,200 wage and salary earners earned \$640 or more per week, of whom 68.7 per cent were aged 25 to 44 years.

**TABLE 3.8 EMPLOYED WAGE AND SALARY EARNERS BY INDUSTRY, VICTORIA**  
( '000)

Industry division or subdivision	August					
	1984r	1985r	1986r	1987r	1988r	1989
Agriculture, forestry, fishing, and hunting - Agriculture, and services to agriculture	29.4	28.3	22.8	24.3	20.3	23.4
Mining	5.1	5.8	5.1	7.5	5.4	6.5
Manufacturing - Food, beverages, and tobacco	373.1	380.7	353.2	371.0	386.8	386.0
Metal products	50.2	54.1	41.3	52.3	48.1	42.4
Other manufacturing	44.4	43.0	41.9	47.3	47.9	50.2
Electricity, gas, and water	278.4	283.6	270.1	271.4	290.7	293.4
Construction	44.9	40.2	40.5	33.4	33.9	31.9
Wholesale and retail trade - Wholesale trade	56.4	68.3	77.3	76.6	79.6	93.9
Retail trade	267.0	277.8	276.1	294.9	316.9	344.3
Transport and storage	81.0	99.7	90.2	98.1	109.0	107.7
Communication	186.1	178.1	185.8	196.8	207.9	236.7
Finance, property, and business services	72.0	69.8	79.8	77.7	73.2	82.7
Public administration and defence	34.8	36.5	38.3	39.7	34.6	41.3
Community services	135.6	145.6	167.7	173.7	186.4	205.4
Recreation, personal, and other services	80.5	89.0	87.9	96.1	85.6	84.1
<b>Total employed</b>	<b>286.8</b>	<b>298.0</b>	<b>311.3</b>	<b>341.1</b>	<b>322.6</b>	<b>333.4</b>
	76.5	74.5	71.1	89.2	79.9	106.6
	1,462.0	1,514.4	1,531.1	1,625.3	1,625.2	1,739.4



TABLE 3.9 AVERAGE WEEKLY EARNINGS: FULL TIME ADULT EMPLOYEES BY INDUSTRY, VICTORIA  
(\$)

Industry	February 1987			February 1988			February 1989		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Mining	670.70	439.20	651.80	770.00	574.70	754.90	832.60	530.90	799.50
Manufacturing -									
Food, beverage, and tobacco	475.90	331.10	431.10	516.60	386.50	478.90	530.30	417.50	504.10
Textile, clothing, and footwear	444.00	314.50	373.40	504.30	309.00	390.10	508.60	363.10	419.90
Paper, paper products, printing and publishing	491.50	350.20	458.50	583.10	389.70	531.20	584.10	411.00	535.70
Chemical, petroleum, and coal products	557.30	379.80	510.00	602.30	427.60	558.10	731.30	488.90	675.20
Metal products, machinery, and equipment -									
Basic metal products	544.00	400.70	528.40	607.30	427.70	586.70	636.00	459.40	614.00
Fabricated metal products, other machinery, etc.	458.30	320.60	425.70	500.20	364.00	462.50	554.10	388.90	510.70
Transport equipment	464.10	336.30	444.50	525.30	354.30	495.70	531.90	398.30	503.90
Total metal products etc.	468.40	328.60	440.90	521.00	364.30	485.70	555.60	395.70	518.70
Other manufacturing	427.20	332.40	408.40	468.00	367.20	446.90	554.50	393.50	503.80
<b>Total manufacturing</b>	<b>469.50</b>	<b>330.20</b>	<b>431.60</b>	<b>520.40</b>	<b>356.80</b>	<b>472.90</b>	<b>555.00</b>	<b>394.30</b>	<b>510.00</b>
Electricity, gas, and water	522.60	386.30	510.30	553.60	415.50	540.50	573.70	436.30	560.60
Construction	502.70	298.40	482.00	536.80	395.90	523.00	576.10	473.10	568.90
Wholesale trade	483.40	390.10	458.80	489.90	388.30	461.60	555.90	407.20	519.70
Retail trade	408.90	318.70	384.50	434.70	343.40	404.10	495.40	370.40	444.80
Transport and storage, communication	478.70	432.30	471.10	493.50	445.20	485.70	534.40	466.10	523.20
Finance, property and business services	560.30	401.40	500.70	628.20	433.50	550.50	679.40	460.80	586.80
Public administration, community services, etc.	523.70	445.50	485.60	574.00	478.40	525.40	597.80	496.80	546.40
Recreation, personal and other services	463.30	380.20	435.10	495.50	387.00	455.10	449.10	371.90	414.20
<b>Total all industries</b>	<b>490.20</b>	<b>393.70</b>	<b>459.90</b>	<b>531.30</b>	<b>420.10</b>	<b>494.10</b>	<b>571.20</b>	<b>444.60</b>	<b>527.70</b>

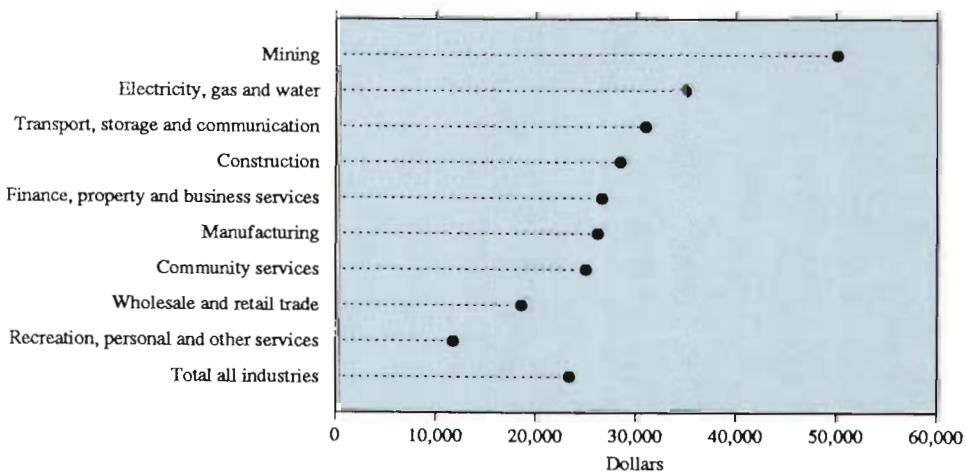
**TABLE 3.10 EMPLOYED WAGE AND SALARY EARNERS BY SECTOR: VICTORIA**  
(<sup>'000</sup>)

	<i>Commonwealth Government</i>	<i>State Government</i>	<i>Local Government</i>	<i>Total Public sector</i>	<i>Private sector</i>	<i>Total</i>
1986 -						
February	101.6	301.2	41.7	444.5	1,103.7	1,548.1
May	103.3	305.0	41.9	450.3	1,119.6	1,569.9
August	102.1	313.8	42.8	458.7	1,111.0	1,569.7
November	100.4	310.5	42.8	453.7	1,119.6	1,573.3
1987 -						
February	101.1	303.3	42.7	447.1	1,120.5	1,567.7
May	99.9	312.7	43.2	455.8	1,148.2	1,604.0
August	99.8	313.5	44.0	457.2	1,162.2	1,619.4
November	98.5	310.9	43.9	453.2	1,186.4	1,639.7
1988 -						
February	99.4	304.7	43.8	448.0	1,194.6	1,642.5
May	97.8	314.0	43.9	455.7	1,196.7	1,652.4
August	97.3	318.0	44.2	459.6	1,225.4	1,685.0
November	97.4	316.9	44.5	458.8	1,254.6	1,713.4
1989 -						
February	97.1	304.5	44.5	446.1	1,269.3	1,715.3

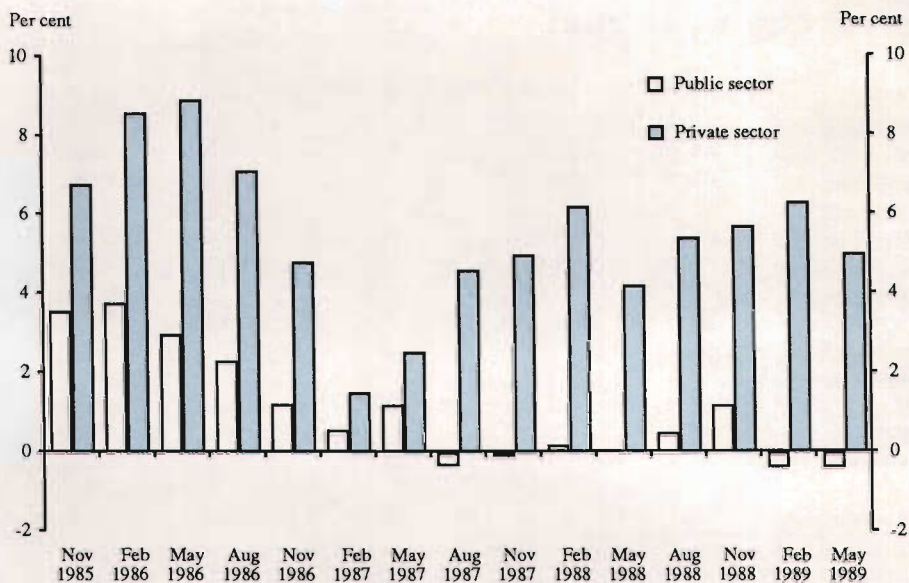
#### Labour costs

In Victoria, the total major labour costs per employee for 1987-88 averaged \$23,375. Of this, \$20,637 (88.3 per cent) was paid as earnings. The remaining labour costs comprised payroll tax of \$818 per employee (3.5 per cent), workers compensation of \$585 per employee (2.5 per cent), superannuation of \$1,189 per employee (5.1 per cent) and fringe benefits tax of \$93 per employee (0.6 per cent).

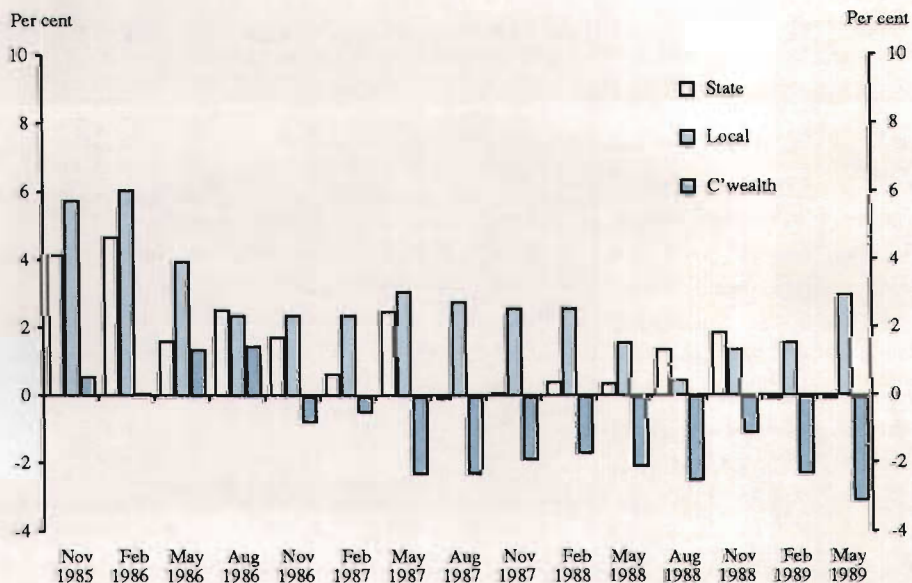
**TOTAL LABOUR COSTS PER EMPLOYEE (PUBLIC AND PRIVATE SECTOR), BY INDUSTRY, VICTORIA, 1987-88**



**GROWTH IN THE NUMBER OF EMPLOYEES BY SECTOR: VICTORIA,  
YEARS ENDING NOVEMBER 1985 TO MAY 1989**



**GROWTH IN THE NUMBER OF EMPLOYEES IN THE PUBLIC SECTOR,  
VICTORIA, YEARS ENDING NOVEMBER 1985 TO MAY 1989**





**TABLE 3.11 WEEKLY EARNINGS OF ALL WAGE AND SALARY EARNERS WHO WORKED FULL TIME, IN THEIR MAIN JOB BY AGE, VICTORIA, AUGUST 1988 ('000)**

Weekly earnings (\$)	Age group (years)						20 and over	Total
	15-19	20-24	25-34	35-44	45-54	55 and over		
Under 120	*2.1	*0.8	*2.1	*2.8	*1.1	*0.5	7.2	9.4
120 and under 160	14.7	*2.6	*1.8	*1.8	*0.8	*0.8	7.9	22.7
160 and under 200	25.2	5.7	*3.0	*2.9	*1.6	*0.8	14.1	39.3
200 and under 240	18.7	8.8	8.1	9.9	4.7	*3.0	34.3	53.0
240 and under 280	17.6	22.9	15.3	12.0	12.1	6.7	69.1	86.7
280 and under 320	8.8	39.3	33.5	21.8	17.0	8.0	119.7	128.5
320 and under 360	5.7	40.0	48.2	35.8	21.6	13.2	158.7	164.4
360 and under 400	*2.4	31.5	41.7	31.5	19.9	14.0	138.5	141.0
400 and under 440	*1.9	28.2	43.1	27.6	20.3	8.8	128.1	130.0
440 and under 480	*0.6	14.7	33.1	21.2	15.0	7.4	91.4	91.9
480 and under 520	*0.0	7.7	40.8	28.4	16.1	4.7	97.7	97.7
520 and under 560	*0.0	*4.2	28.3	25.0	11.6	4.7	73.8	73.8
560 and under 600	*0.0	*3.9	19.7	21.3	7.9	*3.3	56.0	56.0
600 and under 640	*0.3	*3.7	13.9	17.3	9.2	*3.9	48.0	48.2
640 and under 680	*0.0	*1.0	8.8	10.8	5.7	*2.3	28.6	28.6
680 and under 720	*0.0	*1.1	12.1	8.7	6.8	*1.6	30.3	30.3
720 and under 760	*0.0	*0.6	6.2	10.2	*2.7	*1.9	21.6	21.6
760 and under 800	*0.0	*1.1	8.0	9.1	7.1	*1.1	26.5	26.5
800 and over	*0.3	*2.2	12.0	22.1	10.7	*3.0	49.9	50.2
<b>Total</b>	<b>98.4</b>	<b>219.8</b>	<b>379.7</b>	<b>320.2</b>	<b>192.0</b>	<b>89.7</b>	<b>1,201.4</b>	<b>1,299.8</b>
Mean weekly earnings (\$)	228	368	467	498	478	434	456	439

#### Labour force experience

During the twelve months ending February 1989 in Victoria, there were 2,294,100 persons who had been in the labour force at some time. Of these, 67.4 per cent had worked for the whole period and 27.6 per cent had worked for part of that period. Of the 359,400 persons who looked for work at some time during the year, 9.1 per cent had looked for work for the whole twelve months. The proportion of persons who had looked for work during the year decreased with age, while the average duration of looking for work increased. Of those who had looked for work, 15 to 19 year olds comprised 28.7 per cent with an average duration of 13.1 weeks, while persons aged 55 years and over comprised 5.0 per cent with an average duration of 31.2 weeks.

#### Persons employed at home

During April 1989 there were 68,900 persons employed at home, of whom 46,700 were women and 22,200 were men. Of the people working at home, 58.9 per cent of women and 36.7 per cent of men had children aged 0 to 14 years old.

Of employees working at home, 58.5 per cent were paid by the hour and 60.7 per cent worked 29 hours or less per week. A high percentage (96.9) of employees working at home did not belong to a trade union. Less than 50 per cent of those working at home were covered by superannuation (34.5 per cent of employees) and workers compensation (47.7 per cent of employees).

**Superannuation**

In Victoria, at November 1988 an estimated 1,936,200 persons aged 15 to 74 were employed. Of these, 1,050,200 persons (54.2 per cent) were covered by a superannuation scheme. Among full-time workers, 67.3 per cent of males had superannuation coverage compared with 48.8 per cent of females. An estimated 834,400 persons contributed personally to their superannuation scheme and their average weekly contribution was \$27.60. Employers paid all contributions for an estimated 149,300 persons.

**Labour mobility**

In Victoria, 2,019,600 persons were employed in February 1989. Of those employed persons, 25.5 per cent had been in their current job less than twelve months, while 23.0 per cent had held their current job for 10 years or more. Only 14.7 per cent of females had held their current job for 10 years or more, compared with 28.9 per cent of males. Of the 333,500 people who were working in February 1988, but had held their current job for less than one year, 61.6 per cent had changed jobs within the same industry division, while 38.4 per cent had changed industry divisions.

**Labour force status and educational attendance**

In September 1988 there were an estimated 714,900 persons aged 15 to 24, of whom 45.9 per cent (328,000 persons) were attending an educational institution. Of those attending, 60.3 per cent were at school, 16.0 per cent at a TAFE or technical college, 11.4 per cent at a CAE and 9.2 per cent at a university. Employed students were 41.4 per cent (135,700 persons) of the total attending, while unemployed students numbered 18,000. Full-time students experienced an unemployment rate of 16.0 per cent compared to the unemployment rate of 11.7 per cent for all students.

**Transition from education to work**

In Victoria, an estimated 552,000 persons aged 15 to 64 attended an educational institution during May 1987. Of these, 33.4 per cent were not attending an educational institution in May 1988. Of the 367,700 continuing their education, 50.6 per cent were attending school, 11.5 per cent were attending university and 33.3 per cent were attending a college of advanced education, TAFE or technical college. Of employed school leavers, 44.0 per cent were employed in the wholesale and retail trade and 15.0 per cent in the manufacturing industries. This contrasts with tertiary institution leavers; 23.4 per cent of whom were employed in Community services, 18.9 per cent in Finance, property and business services and 16.6 per cent in the Wholesale and retail trade industries.

Education and work are combined in apprenticeships. In May 1988 there were 43,100 apprentices in Victoria. Of these, 74.2 per cent were aged 15 to 19 and 25.8 per cent were aged 20 to 34. Almost half the apprentices (48.2 per cent) were employed in the building, vehicle and electrical trades.

**Labour force status and educational attainment**

In Victoria, at February 1989, 1,181,000 persons had post-school qualifications and 1,942,400 did not have post-school qualifications. Of the persons who had post-school qualifications, 22.3 per cent held a degree, 34.4 per cent possessed trade or apprenticeship qualifications and 43.0 per cent held a certificate or diploma. The participation rate of persons with post-school qualifications was 78.2 per cent, substantially higher than the participation rate of 59.2 per cent for persons without post-school qualifications. Similarly, persons with post-school qualifications experienced an unemployment rate of 3.4 per cent compared with 7.9 per cent for those without post-school qualifications.

**TABLE 3.12 EMPLOYED LEAVERS AGED 15 TO 64 YEARS: INDUSTRY AND OCCUPATION OF CURRENT JOB AND FULL-TIME OR PART-TIME STATUS BY TYPE OF EDUCATIONAL INSTITUTION ATTENDED FULL-TIME IN 1987, VICTORIA, MAY 1988**  
( '000)

	Attended school in 1987	Attended any educational institution (a) in 1987		
		Males	Females	Persons
Industry of current job -				
Manufacturing	6.3	5.6	*3.5	*9.1
Wholesale and retail trade	18.4	10.3	12.7	23.0
Finance, property and business services	5.3	4.9	5.7	10.6
Community services	*2.2	*1.9	6.7	8.6
Recreation, personal and other services	*2.5	*2.1	*3.9	6.1
Other (b)	7.2	9.5	*2.6	12.1
Occupation of current job -				
Professionals	*0.6	5.0	5.8	10.8
Tradespersons	11.7	12.5	*1.9	14.3
Clerks	10.7	*2.9	11.9	14.8
Salespersons and personal service workers	8.9	*3.8	10.2	14.0
Labourers and related workers	7.8	7.4	*3.3	10.6
Type of employment -				
Full-time	36.7	32.2	26.4	58.6
Part-time	5.2	*2.1	8.8	10.9
Males	22.8	34.3	..	34.3
Females	19.0	..	35.2	35.2
<b>Total(c)</b>	<b>41.8</b>	<b>34.3</b>	<b>35.2</b>	<b>69.5</b>

(a) Includes persons who attended a tertiary institution.

(b) Includes persons employed in Agriculture, forestry, fishing and hunting; Mining; Construction; Transport and storage; Electricity, gas and water; Communication and Public administration and defence.

(c) Also includes persons employed as Managers and administrators; Para-professionals; and Plant and machine operators and drivers.

**TABLE 3.13 LEAVERS AGED 15 TO 64 YEARS: LABOUR FORCE STATUS, AGE AND SEX, VICTORIA, MAY 1988**  
( '000)

	Aged 15 to 19 years			Aged 20 to 24 years			Total aged 15 to 64 years		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
In the labour force -	28.7	25.9	54.7	7.3	8.9	16.2	40.2	41.0	81.1
Employed -	23.4	22.1	45.4	7.3	8.0	15.3	34.3	35.2	69.5
Full-time	21.7	18.0	39.7	7.1	5.4	12.5	32.2	26.4	58.6
Part-time	*1.6	*4.1	5.8	*0.2	*2.6	*2.9	*2.1	8.8	10.9
Unemployed	5.4	*3.8	9.2	*0.0	*0.9	*0.9	5.9	5.8	11.7
<b>Total</b>	<b>30.3</b>	<b>27.8</b>	<b>58.1</b>	<b>7.9</b>	<b>9.1</b>	<b>17.0</b>	<b>42.7</b>	<b>44.1</b>	<b>86.8</b>
Unemployment rate (a)	18.7	*14.8	16.9	*0.0	*10.4	*5.7	14.6	14.2	14.4
Participation rate (b)	94.9	93.3	94.1	93.5	97.4	95.6	94.0	92.9	93.5

(a) Unemployed leavers as a percentage of leavers in the labour force.

(b) The percentage of leavers in the labour force.



**Training  
expenditure  
statistics**

The ABS has been conducting a new survey which will show how much employers are spending on training their employees. Results are expected to be released early in 1990. The information will be used to assist in the analysis and evaluation of Australia's training effort.

**TABLE 3.14 ALL PERSONS: EDUCATIONAL ATTAINMENT AND LABOUR FORCE STATUS, VICTORIA, FEBRUARY 1989**

Region	Employed		Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Unemp- loyment rate (Per cent)	Average duration of unemp- loyment (weeks)	Partici- pation rate (Per cent)
	Full- time ( <sup>'000</sup> )	Total ( <sup>'000</sup> )						
	MALES							
With post-school qualifications	552.2	571.1	15.2	586.3	104.6	2.6	32.8	84.9
Degree	139.1	145.6	*4.4	150.1	16.4	*3.0	*26.9	90.2
Trade qualification or apprenticeship	278.8	285.0	7.1	292.1	62.9	2.4	36.3	82.3
Certificate or diploma	133.6	139.8	*3.7	143.4	25.3	*2.6	*33.0	85.0
Other	*0.7	*0.7	*0.0	*0.7	*0.0	*0.0	*0.0	*100.0
Without post-school qualifications (a)	549.8	588.9	45.8	634.7	211.3	7.2	58.3	75.0
Attended highest level of secondary school available	116.5	134.7	11.2	145.9	39.1	7.6	13.4	78.9
Did not attend highest level of secondary school available	428.7	449.2	34.4	483.7	167.8	7.1	71.7	74.2
Never attended school	*1.8	*2.0	*0.3	*2.3	*3.5	*11.6	*208.0	*39.9
Still at school	*0.2	20.9	5.4	26.2	57.2	20.5	6.0	31.5
<b>Total</b>	<b>1,102.2</b>	<b>1,180.8</b>	<b>66.4</b>	<b>1,247.3</b>	<b>373.0</b>	<b>5.3</b>	<b>48.2</b>	<b>77.0</b>
FEMALES								
With post-school qualifications	208.1	320.9	16.4	337.3	152.9	4.9	13.2	68.8
Degree	54.6	73.1	*2.3	75.4	21.0	*3.0	*20.5	78.2
Trade qualification or apprenticeship	14.6	24.6	*0.8	25.4	26.0	*3.1	*7.0	49.4
Certificate or diploma	137.8	221.8	13.3	235.1	103.8	5.7	12.3	69.4
Other	*1.0	*1.3	*0.0	*1.3	*2.0	*0.0	*0.0	*39.6
Without post-school qualifications (a)	292.3	469.9	45.5	515.4	581.0	8.8	33.2	47.0
Attended highest level of secondary school available	83.0	125.2	13.6	138.8	68.7	9.8	15.1	66.9
Did not attend highest level of secondary school available	206.5	340.2	31.1	371.3	499.9	8.4	37.1	42.6
Never attended school	*1.5	*2.0	*0.2	*2.2	10.4	*10.7	*52.0	*17.4
Still at school	*0.2	24.7	6.2	30.9	52.6	20.2	11.1	37.0
<b>Total</b>	<b>500.6</b>	<b>815.5</b>	<b>68.1</b>	<b>883.7</b>	<b>786.5</b>	<b>7.7</b>	<b>26.4</b>	<b>52.9</b>

**TABLE 3.14 ALL PERSONS: EDUCATIONAL ATTAINMENT AND LABOUR FORCE STATUS, VICTORIA, FEBRUARY 1989 - continued**

Region	Employed		Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Unemp- loyment rate (Per cent)	Average duration of unemp- loyment (weeks)	Partici- pation rate (Per cent)
	Full- time ( <sup>'000</sup> )	Total ( <sup>'000</sup> )						
PERSONS								
With post-school qualifications	760.2	892.0	31.6	923.6	257.4	3.4	22.6	78.2
Degree	193.7	218.8	6.7	225.5	37.4	3.0	24.7	85.8
Trade qualification or apprenticeship	293.4	309.6	7.9	317.5	88.9	2.5	33.3	78.1
Certificate or diploma	271.5	361.6	17.0	378.6	129.1	4.5	16.8	74.6
Other	*1.7	*2.0	*0.0	*2.0	*2.0	*0.0	*0.0	*50.2
Without post-school qualifications (a)	842.1	1,058.8	91.3	1,150.1	792.3	7.9	45.8	59.2
Attended highest level of secondary school available	199.5	260.0	24.8	284.7	107.7	8.7	14.4	72.5
Did not attend highest level of secondary school available	635.2	789.5	65.5	855.0	667.7	7.7	55.3	56.1
Never attended school	*3.2	*4.0	*0.5	4.5	13.8	*11.1	*134.9	*24.5
Still at school	*0.5	45.6	11.6	57.2	109.8	20.3	8.8	34.2
Total	1,602.9	1,996.3	134.6	2,130.9	1,159.5	6.3	37.2	64.8

(a) Includes persons for whom secondary school qualifications could not be determined.

### Underemployed workers

Underemployed workers comprise either part-time workers who would prefer to work more hours or full-time workers who did not work 35 hours or more (in the reference week) for economic reasons. At May 1988, 52,100 persons were underemployed. Of these, 91.6 per cent were part-time workers. Almost 70 per cent of part-time workers wanted to work up to 19 hours more per week.

The underutilisation rate is, for any group, the sum of the number unemployed and the number underemployed expressed as a percentage of the labour force in the same group. At May 1988 the unemployment rate for Victorian persons was 6.4 per cent and the underutilisation rate was 8.9 per cent.

### Job search experience of unemployed persons

At July 1988, 26.8 per cent of unemployed persons possessed post-school qualifications. Persons with post-school qualifications were unemployed an average of 30 weeks compared to the average of 49 weeks for persons without post-school qualifications. Of unemployed persons aged 45 years and over, 51.7 per cent cited their main difficulty in finding work was being considered too young or too old by employers. Persons under 45 years felt their main difficulty in finding work was caused by the lack of necessary skills or education (13.9 per cent), insufficient work experience (11.6 per cent), no vacancies in line of work (14.4 per cent) and no vacancies at all (13.2 per cent). The lack of necessary skills or education was the main difficulty in finding work for 16.5 per cent of females, compared with 9.5 per cent of males. However, 16.3 per cent of males felt their main difficulty in finding work was caused by being considered too young or too old by employers.



**Persons who left the labour force**

During the 12 months ending April 1988, 129,500 persons left the labour force. Of these, 88,000 persons (68.0 per cent) had been working prior to leaving the labour force. The three most common reasons given for ceasing employment were (i) that the job was temporary or seasonal (16.5 per cent), (ii) job leaver retired (13.2 per cent) and (iii) left work to have children (19.2 per cent). The two main activities since leaving the labour force were home duties and childcare (53.8 per cent of persons) and attending an educational institution (20.8 per cent of persons).

**Persons not in the labour force (including discouraged jobseekers)**

In September 1988 there were an estimated 937,100 persons aged 15 years and over who were not in the labour force in Victoria. These people constituted 28.1 per cent of the civilian population. The number of persons who were discouraged jobseekers was 21,500. Of these, 82.8 per cent had had previous work experience. The two most common reasons given by discouraged jobseekers for not actively looking for work were, "considered too young or too old by employer" (37.7 per cent) and "no jobs in locality or line of work" (25.6 per cent). Only 36.7 per cent of discouraged jobseekers had looked for work within the previous twelve months.

**Industrial disputes**

In Victoria in 1988 a total of 362,600 working days were lost. The months of June and July accounted for 246,500 of the total working days lost. This was predominantly due to the high number of industrial disputes over National Wage Case increases. The highest number of working days lost occurred amongst employees involved in the production of metal products, machinery and equipment.

**TABLE 3.15 INDUSTRIAL DISPUTES: INDUSTRIES, WORKING DAYS LOST, VICTORIA ('000)**

Period	Manufacturing			Construction	Transport, storage and communication	Other industries	All industries
	Mining	Metal products, machinery, and equipment	Other				
1981	22.2	474.7	280.9	106.2	163.3	188.2	1,235.5
1982	4.5	65.2	187.5	60.6	8.0	42.2	368.0
1983	8.8	31.0	43.4	47.2	53.5	73.8	257.7
1984	2.9	40.9	78.9	17.0	13.3	33.3	186.4
1985	5.7	36.1	56.7	47.3	67.5	142.7	355.9
1986	-	58.4	85.2	34.9	11.3	192.0	381.8
1987	0.2	71.6	89.8	12.8	55.3	59.8	289.3
1988	-	133.7	46.1	34.8	41.2	106.8	362.6
1989 -							
January	-	0.4	1.3	-	0.2	0.2	2.0
February	-	2.8	1.9	0.1	0.7	0.3	5.8
March	-	5.5	0.7	3.7	10.1	0.5	20.4
April	-	8.7	1.0	1.0	0.5	7.8	19.0
May	0.1	7.4	11.0	1.1	2.4	14.1	36.1
June	6.1	5.1	18.7	0.8	0.7	3.5	34.9



**TABLE 3.16 EMPLOYED WAGE AND SALARY EARNERS: INDUSTRY, FULL-TIME OR PART-TIME STATUS IN MAIN JOB, SECTOR, AND WHETHER A MEMBER OF A TRADE UNION, VICTORIA, AUGUST 1988**  
( '000)

Industry	Males			Females			Persons		
	Full-time	Part-time	Total (a)	Full-time	Part-time	Total (a)	Total (a)	Public	Private (b)
<b>MEMBER OF A TRADE UNION</b>									
Agriculture, forestry, fishing and hunting	*2.6	*0.0	*2.9	*0.5	*0.3	*0.8	*3.7	*0.3	*3.3
Mining	*2.5	*0.0	*2.8	*0.0	*0.0	*0.0	*2.8	*1.1	*1.7
Manufacturing	140.7	*0.5	141.5	43.7	*3.7	47.6	189.1	10.4	178.6
Electricity, gas, and water	23.8	*0.3	24.1	*2.7	*0.0	*2.7	26.7	25.6	*1.2
Construction	35.7	*0.0	36.0	*1.0	*0.3	*1.3	37.3	7.3	30.0
Wholesale and retail trade	34.1	8.4	43.0	18.5	18.9	38.5	81.5	*0.8	80.7
Transport and storage	42.2	*0.0	42.5	*2.9	*0.3	*3.2	45.7	23.9	21.7
Communication	21.4	*0.0	21.4	*4.1	*0.8	4.9	26.3	25.5	*0.8
Finance, property, and business services	24.4	*0.8	25.5	22.1	5.5	27.6	53.1	15.3	37.9
Public administration and defence	32.7	*0.3	33.0	13.9	*2.6	16.8	49.8	49.5	*0.3
Community services	57.2	*1.3	59.3	63.9	22.1	87.0	146.4	114.4	32.0
Recreation, personal and other services	6.7	*1.3	8.0	6.0	6.1	12.1	20.1	*2.6	17.5
<b>Total</b>	<b>424.0</b>	<b>12.9</b>	<b>439.9</b>	<b>179.3</b>	<b>60.4</b>	<b>242.5</b>	<b>682.4</b>	<b>276.8</b>	<b>405.6</b>
<b>NOT A MEMBER OF A TRADE UNION</b>									
Agriculture, forestry, fishing and hunting	9.5	*0.8	11.1	*1.2	*0.9	*3.4	14.5	*0.0	14.5
Mining	*1.4	*0.0	*1.4	*0.8	*0.0	*0.8	*2.3	*0.0	*2.3
Manufacturing	119.8	*3.5	123.8	47.8	15.8	64.7	188.4	*2.1	186.3
Electricity, gas, and water	4.7	*0.3	5.0	*1.0	*0.2	*1.3	6.3	6.3	*0.0
Construction	30.0	*1.3	31.6	*4.2	*3.9	9.3	41.0	*0.8	40.2
Wholesale and retail trade	114.4	15.2	130.7	49.6	48.5	101.3	231.1	*0.9	231.1
Transport and storage	16.6	*0.3	16.9	8.0	*1.3	9.5	26.3	6.2	20.2
Communication	*3.7	*0.3	*3.9	*2.3	*1.6	*3.9	7.8	7.2	*0.5
Finance, property, and business services	58.8	*4.0	63.1	46.4	20.5	68.1	131.2	6.1	125.1
Public administration and defence	13.9	*1.1	15.2	9.1	7.9	18.1	33.3	33.0	*0.3
Community services	40.9	6.2	48.1	60.7	57.6	126.9	175.0	77.2	97.8
Recreation, personal, and other services	19.2	5.9	26.1	14.4	14.5	31.8	57.9	*1.3	56.6
<b>Total</b>	<b>432.8</b>	<b>38.8</b>	<b>476.9</b>	<b>245.6</b>	<b>172.6</b>	<b>439.0</b>	<b>915.9</b>	<b>141.2</b>	<b>774.7</b>

**TABLE 3.16 EMPLOYED WAGE AND SALARY EARNERS: INDUSTRY, FULL-TIME OR PART-TIME STATUS IN MAIN JOB, SECTOR, AND WHETHER A MEMBER OF A TRADE UNION, VICTORIA, AUGUST 1988 - continued**  
(<sup>'000</sup>)

Industry	Males			Females			Persons		
	Full-time	Part-time	Total (a)	Full-time	Part-time	Total (a)	Total (a)	Public	Private (b)
TOTAL (c)									
Agriculture, forestry, fishing and hunting	12.1	*0.8	14.0	*1.7	*1.2	*4.2	18.2	*0.3	17.9
Mining	*3.9	*0.0	*4.2	*0.8	*0.0	*0.8	5.1	*1.1	*4.0
Manufacturing	265.9	*4.0	270.9	92.6	19.5	113.6	384.6	12.6	372.0
Electricity, gas, and water	28.6	*0.5	29.1	*3.7	*0.2	*3.9	33.0	31.9	*1.2
Construction	66.3	*1.3	68.2	5.2	*4.2	10.6	78.8	8.1	70.7
Wholesale and retail trade	151.1	23.6	176.5	69.2	67.3	140.8	317.3	*1.7	315.7
Transport and storage	59.1	*0.3	59.6	10.9	*1.5	12.7	72.3	30.4	41.9
Communication	25.8	*0.3	26.1	6.4	*2.3	8.7	34.8	33.5	*1.3
Finance, property, and business services	84.5	4.8	89.9	70.1	26.2	97.5	187.4	21.9	165.5
Public administration and defence	46.8	*1.3	48.4	23.6	10.6	35.4	83.8	83.3	*0.5
Community services	98.4	7.6	107.8	125.9	79.7	215.2	323.0	192.7	130.3
Recreation, personal, and other services	27.0	7.2	35.2	20.4	20.6	43.9	79.1	*3.9	75.1
<b>Total</b>	<b>869.4</b>	<b>51.8</b>	<b>930.0</b>	<b>430.4</b>	<b>233.2</b>	<b>687.5</b>	<b>1,617.5</b>	<b>421.3</b>	<b>1,196.1</b>

(a) Includes persons for whom full-time or part-time status in main job could not be determined.

(b) Includes persons for whom sector could not be determined.

(c) Includes persons who did not know their membership status.

### Trade union membership

At August 1988, trade union membership of employed wage and salary earners was 682,400 persons. The level of trade union membership had decreased from 46.0 per cent of employed wage and salary earners in August 1986 to 42.0 per cent in August 1988. Males comprised 64.5 per cent of total trade union members. Of employed male wage and salary earners, 47.3 per cent were trade union members, compared with the female rate of 35.3 per cent. Public sector employees comprised 65.7 per cent of trade union members. The two industry divisions with the highest percentage of trade union members were predominantly comprised of public sector employees. Electricity, gas and water had the highest concentration of trade union membership with 80.9 per cent of employees and Communication was the next highest division with a 75.6 per cent trade union membership. The industry divisions with the lowest trade union membership were Wholesale and retail trade (25.7 per cent) and Recreation, personal and other services (25.4 per cent). These divisions were predominantly comprised of private sector employees.

### REFERENCES

#### Data sources

Currently, the ABS's principal sources of labour statistics are *household surveys* and *employer based surveys*. The ABS conducts a monthly household based labour force survey which provides estimates at a National, State and regional level. The major statistical indicators produced from the labour force

survey are persons employed and unemployed, classified by age, sex, and marital status, expressed as a proportion of the civilian population aged 15 years and over.

Emphasis in the labour force survey is placed on the regular collection of data on demographic and labour force characteristics, but additional questions to investigate particular aspects of the labour force are frequently included.

At present the ABS conducts sample surveys of employers, based on the ABS register of businesses and organisations. Since May 1983 the ABS has introduced new or upgraded quarterly surveys of: employment and earnings; average weekly earnings; overtime; job vacancies; and an annual Survey of employee earnings and hours.

During 1987 the ABS developed a range of labour costs surveys which are designed to identify the composition and rate of growth of labour costs. Currently the ABS is developing a training expenditure survey.

#### ABS publications

- Labour Statistics, Australia* (6101.0) (annual)
- A Guide to Labour Statistics* (6102.0)(irregular)
- The Labour Force, Australia, Preliminary* (6202.0) (monthly)
- The Labour Force, Victoria* (6202.2) (quarterly)
- The Labour Force, Australia* (6203.0) (monthly)
- The Labour Force, Australia, Historical Summary 1966 to 1989* (irregular)
- Labour Force Experience, Australia* (6206.0) (annual)
- Labour Mobility, Australia* (6209.0) (annual)
- Persons Not in the Labour Force, Australia* (6220.0) (annual)
- Job Search Experience of Unemployed Persons, Australia* (6222.0) (two yearly)
- Transition From Education to Work, Australia* (6227.0) (annual)
- Information Paper: Questionnaires Used in the Labour Force Survey, Australia* (6232.0)
- Labour Force Status and Educational Attainment, Australia* (6235.0)(annual)
- Employed Wage and Salary Earners, Australia* (6248.0) (quarterly)
- Information Paper: New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime* (6256.0)
- Underemployed Workers, Australia* (6265.0) (irregular)
- Persons Who Have Left the Labour Force, Australia* (6267.0) (irregular)
- Information Paper: Labour Force Survey - Measuring Teenage Unemployment* (6270.0)
- Labour Force Status and Educational Attendance, Australia* (6272.0)(annual)
- Persons Employed at Home, Australia* (6275.0) (irregular)
- Average Weekly Earnings, States and Australia* (6302.0) (quarterly)
- Average Earnings and Hours of Employees, Australia* (6304.0) (annual)
- Weekly Earnings of Employees (Distribution), Australia* (6310.0) (annual)
- Award Rates of Pay Indexes, Australia* (6312.0) (monthly)
- Superannuation, Australia* (6319.0) (irregular)
- Industrial Disputes, Australia (monthly)* (6321.0) (monthly)
- Industrial Disputes, Australia (quarterly)* (6322.0) (annual)
- Trade Union Statistics, Australia* (6323.0) (annual)
- Trade Union Members, Australia* (6325.0) (irregular)
- Major Labour Costs, Australia* (6348.0) (annual)



# 4

## SOCIAL

This chapter provides an overview of social statistics for Victoria covering aspects of education, health, social welfare, and justice.

### EDUCATION

#### Schools

At 1 July 1988 there were 2,794 schools in Victoria. Nearly three-quarters of these were government schools and, of non-government schools, more than two-thirds were Catholic.

The number of school students enrolled at 1 July 1988 was 788,929, a decrease of 0.3 per cent over the previous year. The number of students attending government schools in Victoria in 1988 was 532,217, a decrease of 1.1 per cent compared with 1987. This trend continues the decline in government school enrolments since 1977, when they peaked at 626,317 students. The number of enrolments in non-government schools continued to show a gradual increase with the 256,712 students in 1988 representing an increase of 1.4 per cent over the previous year.

Teaching staff (expressed in full-time equivalent units) decreased 1.5 per cent over the previous year to 56,769 in 1988. Government school teaching staff decreased by 2.7 per cent and non-government teaching staff increased by 1.6 per cent.

#### Higher education

The number of enrolments at universities increased by 11.0 per cent to 51,838 in 1988, while the enrolments in advanced education courses increased 5 per cent to 68,395. The number of enrolments in Institutes of tertiary education increased 173 per cent to 763 in 1988.

**TABLE 4.1 SCHOOLS, STUDENTS, AND TEACHING STAFF (a), VICTORIA**

Year	Government			Non-government			Total		
	Schools	Students	Teaching staff	Schools	Students	Teaching staff	Schools	Students	Teaching staff
1983 (b)	2,124	582,034	42,722	659	234,171	13,727	2,783	816,205	56,449
1984	2,188	572,613	43,123	734	241,715	15,023	2,852	814,328	58,146
1985	2,118	558,764	42,699	734	245,176	15,505	2,852	803,940	58,204
1986	2,114	546,136	40,723	733	250,396	15,907	2,847	796,532	56,629
1987	2,091	537,895	41,432	729	253,086	16,192	2,820	790,981	57,624
1988	2,064	532,211	40,311	730	256,712	16,458	2,794	788,929	56,769

(a) Number of full-time teaching staff plus full-time equivalents (FTE) of part-time teaching staff.

(b) The National Schools Statistics Collection commenced in 1981 for government schools and in 1984 for non-government schools.

**TABLE 4.2 NUMBER OF FULL-TIME STUDENTS: CATEGORY OF SCHOOL (AND NON-GOVERNMENT AFFILIATION), SEX, AND LEVEL/YEAR OF EDUCATION, VICTORIA, 1988**

Level/Year of education	Government schools	Non-government (a)			Total	All schools
		Catholic	Anglican	Other		
MALES						
Primary -						
Preparatory	22,229	7,641	493	1,179	9,313	31,542
Year 1	21,973	7,465	491	1,093	9,049	31,022
Year 2	21,346	7,271	510	1,178	8,959	30,305
Year 3	21,199	7,295	523	1,087	8,909	30,104
Year 4	21,232	7,248	582	1,129	8,959	30,191
Year 5	21,466	7,384	794	1,359	9,537	31,003
Year 6	21,234	7,209	879	1,445	9,533	30,767
Ungraded	13	-	-	179	179	192
Total primary	150,692	51,513	4,272	8,649	64,434	215,126
Secondary -						
Year 7	20,959	6,933	1,765	2,511	11,209	32,168
Year 8	21,875	6,938	1,799	2,466	11,203	33,078
Year 9	23,272	6,725	1,895	2,383	11,003	34,275
Year 10	22,864	6,315	1,891	2,320	10,526	33,390
Year 11	19,560	5,617	2,044	2,315	9,976	29,536
Year 12	11,403	3,908	1,755	2,001	7,664	19,067
Ungraded	22	1	-	139	140	162
Total secondary	119,955	36,437	11,149	14,135	61,721	181,676
Special (attending special schools) -						
Primary	32	79	-	95	174	206
Secondary	19	85	-	59	144	163
Not identifiable as						
primary or secondary	2,925	19	-	547	566	3,491
Total special	2,976	183	-	701	884	3,860
Total males	273,623	88,133	15,421	23,485	127,039	400,662
FEMALES						
Primary -						
Preparatory	20,764	7,094	381	1,246	8,721	29,845
Year 1	21,070	7,193	396	1,235	8,824	29,894
Year 2	20,268	7,161	377	1,240	8,778	29,046
Year 3	19,821	7,081	418	1,277	8,776	28,597
Year 4	19,912	7,141	432	1,296	8,869	28,781
Year 5	20,029	6,995	556	1,444	8,995	29,024
Year 6	20,098	6,856	600	1,650	9,106	29,204
Ungraded	32	-	-	182	182	214
Total primary	141,994	49,521	3,160	9,570	62,251	204,245

**TABLE 4.2 NUMBER OF FULL-TIME STUDENTS: CATEGORY OF SCHOOL (AND NON-GOVERNMENT AFFILIATION), SEX, AND LEVEL/YEAR OF EDUCATION, VICTORIA, 1988 - continued**

Level/Year of education	Government schools	Non-government (a)			Total	All schools
		Catholic	Anglican	Other		
FEMALES - continued						
Secondary -						
Year 7	18,795	7,103	1,293	2,775	11,171	29,966
Year 8	19,882	7,346	1,358	2,768	11,562	31,444
Year 9	20,972	7,343	1,455	2,870	11,668	32,640
Year 10	21,010	6,935	1,490	2,901	11,326	32,336
Year 11	20,141	6,674	1,691	3,074	11,439	31,580
Year 12	13,825	5,366	1,432	2,767	9,565	23,390
Ungraded	35	1	-	105	106	141
Total secondary	114,660	40,768	8,719	17,260	66,837	181,497
Special (attending special schools) -						
Primary	14	21	-	33	54	68
Secondary	39	12	-	47	59	98
Not identifiable as primary or secondary	1,887	20	-	452	472	2,359
Total special	1,940	53	-	532	585	2,525
Total females	258,594	90,432	11,819	27,362	129,673	388,267
PERSONS						
Primary -						
Preparatory	42,993	14,735	874	2,425	18,034	61,027
Year 1	43,043	14,658	887	2,328	18,873	60,916
Year 2	41,614	14,432	887	2,418	17,737	59,351
Year 3	41,020	14,376	941	2,364	17,681	58,701
Year 4	41,144	14,389	1,014	2,425	17,828	58,972
Year 5	41,495	14,379	1,350	2,803	17,532	60,027
Year 6	41,332	14,065	1,479	3,095	17,639	59,971
Ungraded	45	-	-	361	361	406
Total primary	292,686	101,034	7,432	18,219	126,685	419,371
Secondary -						
Year 7	39,754	14,036	3,058	5,286	22,380	62,134
Year 8	41,757	14,374	3,157	5,234	22,765	64,522
Year 9	44,244	14,068	3,350	5,253	22,671	66,915
Year 10	43,874	13,250	3,381	5,221	21,852	65,726
Year 11	39,701	12,291	3,735	5,389	21,415	61,116
Year 12	25,228	9,274	3,187	4,768	17,229	42,457
Ungraded	57	2	-	244	246	303
Total secondary	234,615	77,295	19,868	31,395	128,558	363,173



**TABLE 4.2 NUMBER OF FULL-TIME STUDENTS: CATEGORY OF SCHOOL (AND NON-GOVERNMENT AFFILIATION), SEX, AND LEVEL/YEAR OF EDUCATION, VICTORIA, 1988 - continued**

Level/Year of education	Government schools	Non-government (a)			Total	All schools
		Catholic	Anglican	Other		
PERSONS - continued						
Special (attending special schools) -						
Primary	46	100	-	128	228	274
Secondary	58	97	-	106	203	261
Not identifiable as						
primary or secondary	4,812	39	-	999	1,038	5,850
Total special	4,916	236	-	1,233	1,469	6,385
Total students	532,217	178,565	27,300	50,847	256,712	788,929

(a) Includes full-time students attending special schools administered by government authorities other than the State Ministry of Education.

**ALL SCHOOLS: 17 YEAR OLD STUDENT PARTICIPATION RATES, VICTORIA, 1982-1988**

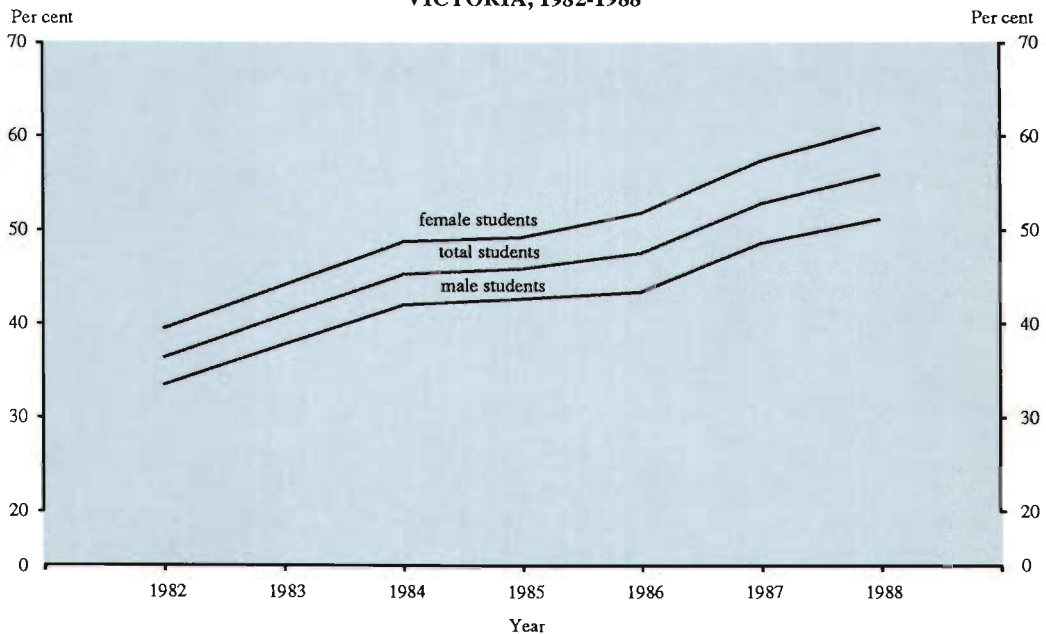


TABLE 4.3 HIGHER EDUCATION: NUMBER OF STUDENTS BY LEVEL OF COURSE AND TYPE OF ENROLMENT, VICTORIA, 1988

	Level of course				Non- award	Type of enrolment			Total Students
	Higher Degree	Post- graduate	Bachelor	Other		Full-time	Part-time	External	
Universities -									
Deakin University	748	592	5,704	-	-	2,391	731	4,087	7,209
La Trobe University	1,062	1,122	10,230	-	30	8,903	4,225	-	13,128
Monash University	2,698	663	11,153	-	254	10,857	3,911	-	14,768
University of Melbourne	2,627	863	12,626	-	617	12,267	4,270	196	16,733
<b>Total Universities</b>	<b>7,135</b>	<b>3,240</b>	<b>39,713</b>	<b>-</b>	<b>901</b>	<b>34,418</b>	<b>13,137</b>	<b>4,283</b>	<b>51,838</b>
Colleges of Advanced Education -									
Ballarat College of Advanced Education	12	237	2,113	606	-	2,426	542	-	2,968
Bendigo College of Advanced Education	18	252	1,628	945	19	2,106	688	68	2,862
Chisholm Institute of Technology	94	962	5,492	1,354	-	4,713	3,189	-	7,902
Footscray Institute of Technology	47	401	3,858	909	26	3,828	1,413	-	5,241
Gippsland Institute of Advanced Education	5	543	2,260	1,012	14	1,188	255	2,391	3,834
Hawthorn Institute of Education	-	1,008	58	638	-	661	1,043	-	1,704
Institute of Catholic Education	2	570	240	1,351	-	1,463	700	-	2,163
Melbourne College of Advanced Education	31	1,356	2,649	1,178	46	3,288	1,683	289	5,260
Phillip Institute of Technology	28	530	3,792	1,755	-	3,758	2,347	-	6,105
Royal Melbourne Institute of Technology Ltd	520	1,068	9,900	287	57	6,339	5,002	491	11,832
Swinburne Limited	75	882	5,130	265	76	3,535	2,893	-	6,428
The Victorian College of the Arts	-	77	188	383	-	618	30	-	648
Victoria College	131	1,190	4,862	1,970	37	4,951	2,964	275	8,190
Victorian College of Pharmacy Ltd	26	12	390	-	-	397	31	-	428
Warrnambool Institute of Advanced Education	6	222	2,076	432	94	1,110	145	1,575	2,830
<b>Total Colleges of Advanced Education</b>	<b>995</b>	<b>9,310</b>	<b>44,636</b>	<b>13,085</b>	<b>369</b>	<b>40,381</b>	<b>22,925</b>	<b>5,089</b>	<b>68,395</b>
Other Institutes providing higher education -									
Victoria College of Agriculture and Horticulture	-	22	341	553	-	564	81	271	916
Western Institute of Tertiary Education	-	-	631	36	-	431	236	-	667
Wodonga Institute of Tertiary Education	-	-	42	54	-	31	65	-	96
Marcus Oldham Farm Management College	-	-	-	93	-	93	-	-	93
<b>Total higher education</b>	<b>8,130</b>	<b>12,572</b>	<b>85,363</b>	<b>13,821</b>	<b>1,270</b>	<b>75,918</b>	<b>36,444</b>	<b>9,643</b>	<b>122,005</b>

Source: Department of Employment, Education and Training

**TABLE 4.4 HIGHER EDUCATION: COMMENCING STUDENTS, LEVEL OF COURSE AND TYPE OF ENROLMENT, VICTORIA, 1988**

	Level of course					Type of enrolment			Total Students
	Higher Degree	Post- graduate	Bachelor	Other	Non- award	Full-time	Part-time	External	
Universities -									
Deakin University	234	258	2,237	160	-	1,194	233	1,462	2,889
La Trobe University	337	785	3,817	291	28	3,857	1,401	-	5,258
Monash University	914	519	3,682	-	254	4,028	1,341	-	5,369
University of Melbourne	764	664	3,768	-	574	4,221	1,540	9	5,770
<b>Total Universities</b>	<b>2,249</b>	<b>2,226</b>	<b>13,504</b>	<b>451</b>	<b>856</b>	<b>13,300</b>	<b>4,515</b>	<b>1,471</b>	<b>19,286</b>
Colleges of Advanced Education -									
Ballarat College of Advanced Education	10	164	854	257	-	1,063	222	-	1,285
Bendigo College of Advanced Education	5	155	682	441	18	976	296	29	1,301
Chisholm Institute of Technology	45	472	2,026	641	-	2,016	1,168	-	3,184
Footscray Institute of Technology	28	217	1,278	368	18	1,473	436	-	1,909
Gippsland Institute of Advanced Education	2	313	1,104	558	12	561	111	1,317	1,989
Hawthorn Institute of Education	-	714	16	304	-	470	564	-	1,034
Institute of Catholic Education	1	315	120	560	-	706	290	-	996
Melbourne College of Advanced Education	10	769	958	512	36	1,364	782	139	2,285
Phillip Institute of Technology	11	316	1,525	732	-	1,675	909	-	2,584
Royal Melbourne Institute of Technology Ltd	160	631	3,433	67	47	2,477	1,717	144	4,338
Swinburne Limited	37	564	1,715	99	44	1,412	1,047	-	2,459
The Victorian College of the Arts	-	42	44	180	-	252	14	-	266
Victoria College	51	679	1,927	897	36	2,249	1,237	104	3,590
Victorian College of Pharmacy Ltd	7	-	129	-	-	120	16	-	136
Warrnambool Institute of Advanced Education	3	82	1,044	205	59	560	29	804	1,393
<b>Total Colleges of Advanced Education</b>	<b>370</b>	<b>5,433</b>	<b>16,855</b>	<b>5,821</b>	<b>270</b>	<b>17,374</b>	<b>8,838</b>	<b>2,537</b>	<b>28,749</b>
Other Institutes providing higher education -									
Victoria College of Agriculture and Horticulture	-	20	139	288	-	245	57	145	447
Western Institute of Tertiary Education	-	-	477	36	-	334	179	-	513
Wodonga Institute of Tertiary Education	-	-	42	54	-	31	65	-	96
Marcus Oldham Farm Management College	-	-	-	37	-	37	-	-	37
<b>Total higher education</b>	<b>2,619</b>	<b>7,679</b>	<b>31,017</b>	<b>6,687</b>	<b>1,126</b>	<b>31,321</b>	<b>13,654</b>	<b>4,153</b>	<b>49,128</b>

Source: Department of Employment, Education and Training



**TABLE 4.5 TAFE: NUMBER OF STUDENTS ENROLLED BY MAJOR STREAM GROUP AND BY SEX, VICTORIA, 1982 TO 1987**

Year	Males			Females			Persons		
	Vocational (a)	Recreational (b)	Total	Vocational (a)	Recreational (b)	Total	Vocational (a)	Recreational (b)	Total
1982	112,218	28,361	140,579	62,864	69,549	132,413	175,082	97,910	272,992
1983	113,703	26,555	140,258	68,311	69,943	138,254	182,014	96,498	278,512
1984	110,653	29,863	140,516	68,612	85,180	153,792	179,265	115,043	294,308
1985	115,326	31,071	146,397	77,604	101,198	178,802	192,930	132,269	325,199
1986	121,980	33,773	155,753	88,915	128,034	216,949	210,895	161,807	372,702
1987	129,010	31,585	160,595	94,719	124,984	219,703	223,729	156,569	380,298

(a) TAFE streams 2100 to 4500. (b) Stream 1000, Recreation, leisure and personal enrichment.

**TABLE 4.6 TAFE: NUMBER OF ENROLMENTS IN VOCATIONAL COURSES BY FIELD OF STUDY, VICTORIA, 1986 AND 1987**

Field of study	1986		1987	
	Number	Per cent	Number	Per cent
Applied science	3,597	1.6	3,757	1.6
Art and design	8,516	3.9	8,067	3.5
Building	20,613	9.4	21,185	9.1
Business studies	46,874	21.5	55,088	23.7
Engineering	39,319	18.0	41,318	17.8
Rural and horticultural	15,037	6.9	16,351	7.0
Music	637	0.3	372	0.2
Paramedical	854	0.4	1,021	0.4
Industrial services	12,821	5.9	12,221	5.3
Personal services	29,004	13.3	30,913	13.3
General studies	40,990	18.8	42,174	18.1
<b>Total (a)</b>	<b>218,262</b>	<b>100.0</b>	<b>232,467</b>	<b>100.0</b>

(a) Students may enrol in more than one field of study, thus causing the number of students enrolled by field of study to exceed the actual total number of students enrolled, see Table 4.7.

## HEALTH

### Medicare

In the financial year 1988-89 Medicare processed over 19 million General Practitioner attendances. This number represented 56.7 per cent of all services processed, but only 39.5 per cent of the payments for services made by Medicare. The next most utilised service was Pathology, with over 6.8 million services (20.2 per cent). Pathology accounted for 13.1 per cent of Medicare payments. The service with fewest claims was Dental (1,042 claims).

### Hospitals

Figures provided by the Commonwealth Department of Community Services and Health show that there were 285 approved hospitals in Victoria on 30 June 1987, of which 166 were public hospitals. These include the two repatriation hospitals of Heidelberg and Macleod and the Victoria Police Hospital. The number of public hospital beds totalled 14,846. The 119 private hospitals accounted for 6,132 (29.2 per cent) of hospital beds. The total of 20,978 hospital beds represented 5 beds per 1,000 population.

**TABLE 4.7 MEDICARE: NUMBER AND COST (a) OF SERVICES PROCESSED AND PERCENTAGE DISTRIBUTION BY TYPE OF SERVICE, VICTORIA, 1988-89**

Broad type of service	Services		Cost (a)	
	Number	Per cent	\$'000	Per cent
GP attendances	19,164,678	56.7	319,727	39.5
Specialist attendances	3,268,153	9.7	135,894	16.8
Obstetrics	127,738	0.4	12,730	1.6
Anaesthetics	555,404	1.6	22,448	2.8
Pathology	6,843,182	20.2	106,311	13.1
Radiology	1,452,128	4.3	73,123	9.0
Operations	834,155	2.5	79,478	9.8
Assistance at operations	48,805	0.1	3,562	0.4
Optometry	534,612	1.6	17,815	2.2
Dental	1,042	0.0	132	0.0
Miscellaneous	997,004	2.9	37,668	4.7
<b>Total</b>	<b>33,826,901</b>	<b>100.0</b>	<b>808,887</b>	<b>100.0</b>

(a) The amounts shown in the 'Cost' column represent only the portion of the total cost of the medical services paid for from the funds of the Health Insurance Commission and do not take into account the portion paid for by the patient or the patient's insurance fund. Consequently, a real average cost per type of service may not be calculated from this table.

Source: Health Insurance Commission Annual Report 1986-87

**TABLE 4.8 NOTIFIABLE DISEASES (a), NUMBER OF CASES NOTIFIED, VICTORIA**

Disease	1982	1985	1988
Acquired immune deficiency syndrome (AIDS)	-	11	95
Amoebiasis	1	52	6
Arbovirus infection	18	5	150
Brucellosis	2	1	-
Cholera	-	1	-
Diphtheria	-	-	-
Gonorrhoea	3,381	1,274	629
Hepatitis A (infectious)	320	72	65
Hepatitis B (serum)	307	151	185
Hydatid disease	2	-	1
Leprosy	3	6	-
Leptospirosis	32	34	25
Malaria	92	99	65
Ornithosis	3	5	5
Q. Fever	-	2	1
Salmonella infections	222	158	179
Shigella infections	23	30	16
Syphilis	262	105	65
Tetanus	6	1	-
Tuberculosis (all forms)	414	293	307
Typhoid fever	3	9	8
Typhus (all forms)	-	2	1

(a) There were no cases of ankylostomiasis, anthrax, plague, poliomyelitis, smallpox, or yellow fever.

**TABLE 4.9 NUMBER OF PUBLIC HOSPITALS AT 30 JUNE,  
VICTORIA (a)**

Type	1984	1985	1986
Specialised (teaching) hospitals	13	13	13
Hospitals for the aged	11	11	11
Other specialised hospitals	12	12	12
General hospitals -			
Metropolitan	26	26	26
Country	101	101	101
<b>Total hospitals</b>	<b>163</b>	<b>163</b>	<b>163</b>

(a) Excludes the two Repatriation hospitals of Heidelberg and Macleod and the Victoria Police Hospital.

**TABLE 4.10 PUBLIC HOSPITAL SEPARATIONS BY AGE GROUP  
AND SEX OF INPATIENTS, VICTORIA, 1987**

Age group (years)	Males	Females	Persons
Under 1 year	11,396	8,095	19,491
1-4	15,154	9,372	24,526
5-14	19,775	14,638	34,413
15-24	24,885	49,533	74,418
25-34	23,996	77,063	101,059
35-44	22,645	38,371	61,016
45-54	24,732	26,595	51,327
55-64	38,499	31,058	69,557
65-74	43,647	35,115	78,762
75 and over	31,358	40,006	71,364
Not stated	238	113	351
<b>Total</b>	<b>256,325</b>	<b>329,959</b>	<b>586,284</b>

**TABLE 4.11 PUBLIC HOSPITAL SEPARATIONS BY AGE GROUP AND LENGTH OF  
STAY, VICTORIA, 1987**

Age group (years)	Length of stay							Total
	Under 1 day	1 day and under 1 week	1 week and under 1 month	1 month and under 2 months	2 months and under 3 months	3 months and under 6 months	6 months and over	
Under 1 year	2,371	12,083	4,332	512	118	65	10	19,491
1-4	5,842	17,020	1,576	76	4	7	1	24,526
5-14	7,471	24,350	2,376	156	42	10	8	34,413
15-24	14,773	47,279	11,679	508	99	70	10	74,418
25-34	19,831	57,627	22,819	591	112	63	16	101,059
35-44	17,703	31,105	11,581	464	99	53	11	61,016
45-54	16,728	23,002	10,774	641	109	53	20	51,327
55-64	19,217	29,496	18,903	1,395	302	176	68	69,557
65-74	16,620	31,821	26,230	2,886	649	430	126	78,762
75 and over	7,302	26,623	29,535	5,234	1,424	912	334	71,364
Not stated	134	115	79	16	3	4	-	351
<b>Total</b>	<b>127,992</b>	<b>300,521</b>	<b>139,884</b>	<b>12,479</b>	<b>2,961</b>	<b>1,843</b>	<b>604</b>	<b>586,284</b>



**TABLE 4.12 PUBLIC HOSPITAL SEPARATIONS: PRINCIPAL DIAGNOSES BY NUMBER OF SEPARATIONS, AVERAGE STAY, AND SEX, VICTORIA, 1987**

<i>International Classification of Diseases (ICD) class</i> (a)	<i>Principal diagnosis</i>	<i>Number of separations</i>			<i>Average stay (days)</i>		
		<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>
1	Infectious and parasitic diseases	4,846	4,476	9,322	4.4	5.9	5.1
2	Neoplasms	22,530	25,172	47,702	7.3	6.7	7.0
3	Endocrine, nutritional and metabolic diseases, and immunity disorders	4,532	4,725	9,257	7.9	9.3	8.6
4	Diseases of the blood and blood-forming organs	3,569	3,337	6,906	2.9	4.0	3.5
5	Mental disorders	4,518	5,938	10,456	11.7	14.9	13.5
6	Diseases of the nervous system and sense organs	13,362	14,034	27,396	5.5	5.9	5.7
7	Diseases of the circulatory system	28,242	21,990	50,232	10.3	13.1	11.5
8	Diseases of the respiratory system	21,472	16,879	38,351	5.8	6.2	6.0
9	Diseases of the digestive system	29,400	27,017	56,417	4.5	5.1	4.8
10	Diseases of the genito-urinary system	15,122	36,511	51,633	4.1	3.4	3.6
11	Complications of pregnancy, childbirth, and the puerperium	-	72,719	72,719	-	5.2	5.2
12	Diseases of the skin and subcutaneous tissue	5,620	5,022	10,642	6.3	9.0	7.6
13	Diseases of the musculoskeletal system and connective tissue	10,493	12,136	22,629	6.9	9.3	8.2
14	Congenital anomalies	4,373	2,676	7,049	4.6	6.0	5.1
15	Certain conditions originating in the perinatal period	4,065	3,204	7,269	8.9	10.0	9.3
16	Signs, symptoms, and ill-defined conditions	13,278	14,206	27,484	3.8	4.2	4.0
17	Injury and poisoning	30,120	20,491	50,611	6.5	9.7	7.8
VO1-V82	Supplementary classification of factors influencing health status and contact with health services	30,715	30,889	61,604	3.8	5.7	4.8
	<b>Total reported principal diagnoses</b>	<b>246,257</b>	<b>321,422</b>	<b>567,679</b>	<b>6.1</b>	<b>6.5</b>	<b>6.3</b>
	<b>Total unreported principal diagnoses</b>	<b>10,068</b>	<b>8,537</b>	<b>18,605</b>	<b>9.7</b>	<b>12.7</b>	<b>11.0</b>
	<b>Grand total</b>	<b>256,325</b>	<b>329,959</b>	<b>586,284</b>	<b>6.2</b>	<b>6.7</b>	<b>6.5</b>

(a) The classes selected in this table are in accordance with the Morbidity List of the Ninth International Classification of Diseases (ICD9).

**Causes of death**

There were 30,726 deaths of Victorians registered in Australia during 1988. General demographic statistics (including deaths) are included in Chapter 2 of this *Year Book*.

Diseases of the circulatory system accounted for 43.5 per cent of all deaths. Of these diseases, ischaemic heart disease and cerebrovascular disease were most prevalent. Ischaemic heart disease accounted for a slightly higher percentage of male deaths than female deaths (25.0 and 23.2 per cent, respectively). Contrastingly, cerebrovascular disease comprised a much higher percentage of female deaths than male deaths (12.8 and 7.3 per cent, respectively).

Malignant neoplasms caused 25.5 per cent of all deaths in 1988, comprising 26.9 per cent of male deaths and 24.0 per cent of female deaths. Of the 4,419 male deaths from this cause, 1,200 (27.2 per cent) were from neoplasms of the trachea, bronchus, and lung, which were the most frequent sites of neoplasms in males. The most frequent site of neoplasms in females was the breast which comprised 644 (18.8 per cent) of the 3,429 female deaths from malignant neoplasms. Other common sites of neoplasms in females were the colon which comprised 417 deaths (12.2 per cent) and the trachea, bronchus, and lung which comprised 424 deaths (12.4 per cent).

Other major causes of death during 1988 were diseases of the respiratory system which comprised 7.9 per cent of all deaths. Motor vehicle and other accidents accounted for 6.0 and 3.6 per cent of male and female deaths respectively.

**TABLE 4.13 CAUSES OF DEATH: NUMBERS AND RATES, VICTORIA, 1988**

<i>Cause of death (a)</i>	<i>Number of deaths</i>	<i>Proportion of total</i>	<i>Rate per 1,000,000 of mean population</i>
Infectious and parasitic diseases (001-139)	142	0.5	33
Neoplasms (140-239)	7,943	25.9	707
Endocrine, nutritional and metabolic diseases, and immunity disorders (240-279)	892	2.9	209
Diseases of the blood and blood-forming organs (280-289)	110	0.4	26
Mental disorders (290-319)	662	2.1	155
Diseases of the nervous system and sense organs (320-389)	653	2.1	153
Diseases of the circulatory system (390-459)	13,380	43.5	3,139
Diseases of the respiratory system (460-519)	2,424	7.9	569
Diseases of the digestive system (520-579)	1,093	3.6	256
Diseases of the genito-urinary system (580-629)	400	1.3	94
Complications of pregnancy, childbirth, and the puerperium (630-676)	2	-	-
Diseases of the skin and subcutaneous tissue (680-709)	30	0.1	7
Diseases of the musculoskeletal system and connective tissue (710-739)	176	0.6	41
Congenital anomalies (740-759)	221	0.7	52
Certain conditions originating in the perinatal period (760-779)	193	0.6	45
Signs, symptoms, and ill-defined conditions (780-799)	165	0.5	39
Accidents, poisonings, and violence (external causes) (800-999)	2,240	7.3	526
<b>Total</b>	<b>30,726</b>	<b>100.0</b>	<b>7,208</b>

(a) The classification used is the International Classification of Diseases, Ninth Revision (ICD-9), aggregated at the class level.

TABLE 4.14 MAIN CAUSES OF DEATH IN AGE GROUPS, VICTORIA, 1988

Cause of death	Deaths from specified cause			
	In age group		At all ages	
	Number	Per cent (a)	Number	Per cent (b)
UNDER 1 YEAR				
Congenital anomalies (740-759)	135	27.8	221	61.1
Signs, symptoms, and ill-defined conditions (780-799)	112	23.0	165	67.9
Birth trauma, and other conditions originating in the perinatal period (760-767, 771-779)	110	22.6	110	100.0
Hypoxia, birth asphyxia, and other respiratory conditions (768-770)	83	17.1	83	100.0
1-4 YEARS				
Accidental falls and all other accidents (820-949)	29	28.4	633	4.6
Motor vehicle traffic accidents (810-819)	13	12.7	851	1.5
Congenital anomalies (740-759)	10	9.8	221	4.5
Malignant neoplasms (140-208)	9	8.8	7,848	0.1
5-14 YEARS				
Motor vehicle traffic accidents (810-819)	35	33.0	851	4.1
Accidental falls and all other accidents (820-949)	7	6.6	633	1.1
Malignant neoplasms (140-208)	14	13.2	7,848	0.2
Congenital anomalies (740-759)	13	12.3	221	5.9
15-24 YEARS				
Motor vehicle traffic accidents (810-819)	276	42.9	851	32.4
Suicide and self-inflicted injury (950-959)	98	15.2	538	18.2
Accidental falls and all other accidents (820-949)	57	8.9	633	9.0
Malignant neoplasms (140-208)	41	6.4	7,848	0.5
25-34 YEARS				
Suicide and self-inflicted injury (950-959)	112	16.0	538	20.8
Motor vehicle traffic accidents (810-819)	165	23.5	851	19.4
Malignant neoplasms (140-208)	91	13.0	7,848	1.2
Accidental falls and all other accidents (820-949)	60	8.6	633	9.5
35-44 YEARS				
Malignant neoplasms (140-208)	271	31.3	7,848	3.5
Suicide and self-inflicted injury (950-959)	109	12.6	538	20.3
Ischaemic heart disease (410-414)	112	12.9	7,425	1.5
Motor vehicle traffic accidents (810-819)	75	8.7	851	8.8
45-54 YEARS				
Malignant neoplasms (140-208)	595	41.3	7,848	7.6
Ischaemic heart disease (410-414)	265	18.4	7,425	3.6
Cerebrovascular disease (430-438)	52	3.6	3,032	1.7
Chronic liver disease and cirrhosis (571)	50	3.5	297	16.8
55-64 YEARS				
Malignant neoplasms (140-208)	1,618	42.7	7,848	20.6
Ischaemic heart disease (410-414)	852	22.5	7,425	11.5
Diseases of the respiratory system (460-519)	263	6.9	2,424	10.8
Cerebrovascular disease (430-438)	182	4.8	3,032	6.0



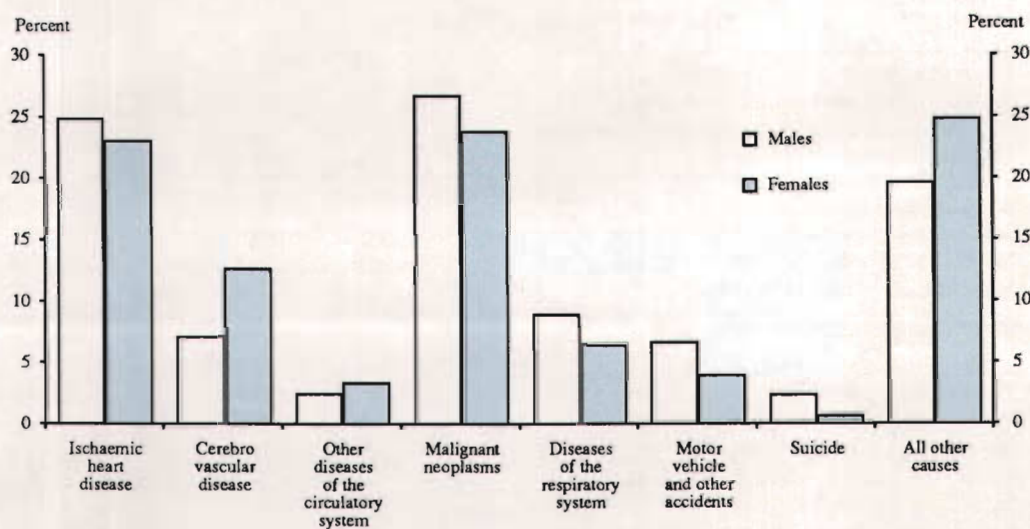
TABLE 4.14 MAIN CAUSES OF DEATH IN AGE GROUPS, VICTORIA, 1988 - continued

Cause of death	Deaths from specified cause			
	In age group		At all ages	
	Number	Per cent (a)	Number	Per cent (b)
65-74 YEARS				
Malignant neoplasms (140-208)	2,373	33.9	7,848	30.2
Ischaemic heart disease (410-414)	1,945	27.8	7,425	26.2
Diseases of the respiratory system (460-519)	599	8.6	2,424	24.7
Cerebrovascular disease (430-438)	579	8.3	3,024	19.1
75 YEARS AND OVER				
Ischaemic heart disease (410-414)	4,236	27.2	7,425	57.1
Malignant neoplasms (140-208)	2,833	18.2	7,848	36.1
Cerebrovascular disease (430-438)	2,171	13.9	3,024	71.8
Diseases of the respiratory system (460-519)	1,411	9.0	2,424	58.2

(a) Deaths in this age group from the stated cause expressed as a percentage of all deaths in the age group.

(b) Deaths in this age group from the stated cause expressed as a percentage of all deaths at all ages from that cause.

## ALL DEATHS: PERCENTAGE DISTRIBUTION BY CAUSE, VICTORIA, 1988



## SOCIAL WELFARE

## Overview

Income support for individuals is primarily provided by the Commonwealth Government through a range of pensions and benefits. At 30 June 1988 there were 344,675 age pensioners, 77,051 invalid pensioners, and 36,226 widow pensioners in Victoria. Pension payments for these categories totalled \$2,599 million in 1987-88.

Unemployment, sickness, and special benefits are provided for people temporarily unable to support themselves. During 1987-88 the number of these benefits granted was 101,193 with a total of \$708 million paid. Unemployment benefits accounted for 80.0 per cent of both benefits granted and benefits paid.

Surveys conducted in 1981 and 1988 revealed that the incidence of disability or handicap among people aged 60 or over was approximately three times greater than for the whole population. The number of people reporting a handicap increased from around 340,000 in 1981 to over 580,000 in 1988, an increase of 70.0 per cent.

TABLE 4.15 SOCIAL WELFARE PROGRAMS, VICTORIA

Program	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
<i>Age pensions -</i>						
Number of pensioners	373,341	362,103	352,989	349,667	347,606	344,675
Wives/spouse carers of age pensioners	7,009	6,390	6,144	6,356	6,459	6,276
Amount paid (\$'000) (a)	1,278,127	1,386,289	1,461,326	1,516,860	1,599,909	1,781,473
<i>Invalid pensions -</i>						
Number of pensioners	60,551	66,887	72,277	75,954	79,232	77,051
Wives/spouse carers of invalid pensioners	16,706	20,022	22,751	24,609	26,086	24,334
Amount paid (\$'000) (a)	277,770	337,225	398,918	449,686	503,239	561,961
<i>Widow's pensions -</i>						
Number of pensioners	46,406	45,660	44,219	42,308	40,410	36,226
Amount paid (\$'000) (b)	209,614	230,741	243,076	248,585	250,051	255,417
<i>Funeral benefits -</i>						
Number of claims granted	12,808	12,302	12,202	12,608	11,871	11,800
Amount paid (\$'000)	405	386	381	377	360	357
<i>Unemployment benefits -</i>						
Number of benefits granted	241,959	208,668	178,764	162,478	160,529	81,227
Amount paid (\$'000) (c)	485,440	612,148	584,026	569,611	602,980	563,358
<i>Sickness benefits -</i>						
Number of benefits granted	33,182	31,824	31,227	30,710	23,824	15,013
Amount paid (\$'000) (d)	64,940	76,702	84,035	87,420	93,945	110,892
<i>Special benefits -</i>						
Number of benefits granted	12,895	18,459	16,485	16,004	13,606	4,953
Amount paid (\$'000) (e)	20,349	21,171	22,066	23,281	26,985	34,083
<i>Supporting parent's benefits -</i>						
Number of beneficiaries	26,003	28,836	31,468	33,224	34,081	36,045
Amount paid (\$'000) (d)	134,432	164,115	197,134	228,904	253,515	291,613

TABLE 4.15 SOCIAL WELFARE PROGRAMS, VICTORIA - *continued*

Program	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
<i>Family allowance -continued</i>						
Number of families	570,441	574,813	575,226	557,753	548,033	495,569
<i>Number of children and students in -</i>						
Families	1,145,230	1,146,115	1,138,718	1,084,467	1,055,413	966,737
Institutions	2,527	2,060	1,880	1,518	1,325	1,249
Total amount paid (\$'000)	366,469	401,531	398,679	401,380	355,773	345,688
<i>Child disability allowance -</i>						
Number of children	7,735	7,699	7,678	7,643	7,550	7,989
Amount paid (\$'000)	7,283	7,508	7,304	7,836	7,226	12,490
<i>Family Income Supplement (f) -</i>						
Number of families	4,106	5,934	6,157	6,598	6,872	29,754
Number of children	11,287	16,986	17,888	19,146	20,158	75,635
Amount paid (\$'000)	493	8,483	9,398	11,918	13,612	43,715

(a) Amount comprises payment for pensioners, and pensioners in benevolent homes, pensions for wives and spouse carers, additional pension/allowance for children, and supplementary assistance.

(b) Amount comprises payment for pensioners, and pensioners in benevolent homes, additional pension/allowance for children, and supplementary assistance.

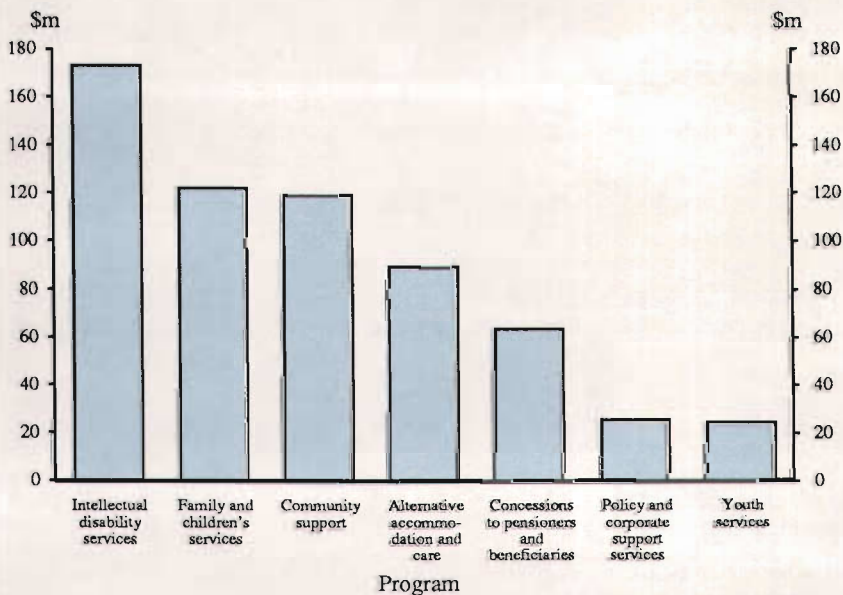
(c) Amount comprises payment for beneficiaries, and additional benefit for children.

(d) Amount comprises payment for beneficiaries, additional benefit for children, and supplementary allowance.

(e) As for (d), but excludes special benefits to migrants in accommodation centres.

(f) Introduced on 1 May 1983.

TOTAL OUTLAY ON COMMUNITY SERVICES PROGRAMS BY THE DEPARTMENT OF COMMUNITY SERVICES, VICTORIA, 1988-89





**TABLE 4.16 COMMUNITY SERVICES VICTORIA, SELECTED CLIENT SUMMARY STATISTICS**

<i>Particulars</i>	<i>1986-87</i>	<i>1987-88</i>	<i>1988-89</i>	<i>Percentage change over 1987-88 (%)</i>
<i>Adoptions -</i>				
Children placed with a view to adoption	122	132	111	-15.9
Adoption finalised	206	52	121	132.7
Adoption information service registrations	1,417	1,798	3,000	66.9
<i>Foster care -</i>				
Children placed in foster care	4,551	4,336	5,236	20.8
Children in short-term and long-term foster care	418	404	450	11.4
Children in extended family placement	326	325	200	-38.5
<i>Non-parent assistance -</i>				
Payments for refugee children	202	105	58	-44.8
Payments for non-refugee children	1,050	727	597	-17.9
<i>Reception centres -</i>				
Young people in Departmental Reception Centres	183	186	143	-23.1
<i>Supervision orders -</i>				
Children placed on supervision	1,018	1,025	1,295	26.3
<i>Wards -</i>				
Admitted	717	694	688	-0.9
Discharged	795	712	649	-8.8
<i>Youth Training Centres (YTC) -</i>				
Youth trainees referred from adult Courts	630	746	682	-8.6
Youth trainees referred from childrens Courts	436	430	273	-36.5
Young people in YTCs at 30 June	282	284	252	-11.3
<i>Youth parole (Placements, Discharges and Breaches) -</i>				
On parole at beginning of year	123	115	130	13.0
Released	205	246	242	-1.6
Cancelled	62	69	70	1.4
Completed parole	151	162	168	3.7
On parole at end of year	115	130	134	3.1
<i>Office of Intellectual Disability Services -</i>				
Clients	12,985	13,965	13,471	-3.5

Source: Annual Report, Community Services Victoria

**TABLE 4.17 ALL PEOPLE: AGE BY WHETHER DISABLED OR ALSO HANDICAPPED, BY SEVERITY OF TOTAL HANDICAP, VICTORIA, 1981 AND 1988<sup>p</sup>**

Age group (years) and year	Handicapped				Total disabled (b)	Total not disabled	All people
	Severe	Moderate	Mild	Total (a)			
MEN							
	- per cent -						('000)
1981 -							
55 - 59	3.0	5.1	5.8	20.9	32.4	67.6	98.8
60 or over -							
60 - 64	4.6	8.2	7.9	26.9	36.7	63.3	75.5
65 - 74	7.4	6.3	11.3	25.1	38.2	61.8	106.1
75 - 79	14.2	9.2	8.6	31.9	51.9	48.1	24.2
80 or over	19.9	7.7	8.7	36.3	48.2	51.8	23.9
Total 60 or over	8.5	7.4	9.6	27.6	40.2	59.8	229.7
All people	2.6	1.9	2.2	8.5	14.1	85.9	1,936.4
1988 <sup>p</sup> -							
55 - 59	6.0	8.6	8.0	26.9	29.6	70.3	99.4
60 or over -							
60 - 64	6.7	9.3	12.0	36.5	43.2	56.7	94.0
65 - 74	12.5	15.3	15.0	42.7	51.6	48.4	128.1
75 - 79	10.4	17.2	18.6	46.2	54.9	45.2	37.8
80 or over	33.4	18.9	18.0	70.2	76.8	23.3	30.1
Total 60 or over	12.5	14.0	14.8	44.0	51.9	48.1	290.0
All people	3.6	3.7	4.2	13.6	16.3	83.7	2,096.0
WOMEN							
	- per cent -						('000)
1981 -							
55 - 59	5.3	3.4	3.7	14.9	22.6	77.4	98.8
60 or over -							
60 - 64	7.3	1.8	5.6	16.8	23.1	76.9	80.5
65 - 74	9.1	4.0	8.3	21.4	31.0	69.0	131.3
75 - 79	17.8	8.6	8.4	34.8	43.7	56.3	44.9
80 or over	51.8	5.5	7.0	64.2	68.5	31.5	44.4
Total 60 or over	16.2	4.3	7.4	28.5	36.3	63.7	301.1
All people	4.1	1.5	2.2	9.1	13.4	86.6	1,962.0
1988 <sup>p</sup> -							
55 - 59	8.0	7.7	8.0	24.6	27.7	72.2	96.1
60 or over -							
60 - 64	8.7	8.1	6.0	25.7	27.8	72.2	98.0
65 - 74	11.2	11.8	12.8	35.7	41.9	58.1	154.5
75 - 79	25.8	13.4	15.8	55.0	58.2	41.7	54.9
80 or over	49.9	12.1	12.4	74.3	75.9	24.1	63.4
Total 60 or over	19.3	11.1	11.4	42.5	46.4	53.6	370.9
All people	5.3	3.6	3.7	14.0	16.0	84.0	2,136.6

(a) Includes handicapped people when the severity of the handicap could not be determined. (b) Includes people who are handicapped.

Sources: ABS, 1988 Survey of Disabled and Aged Persons, preliminary (4118.0)

ABS, 1981 Survey of Handicapped Persons, final (4343.0)

(See Technical Note for discussion on comparison of census and survey data.)



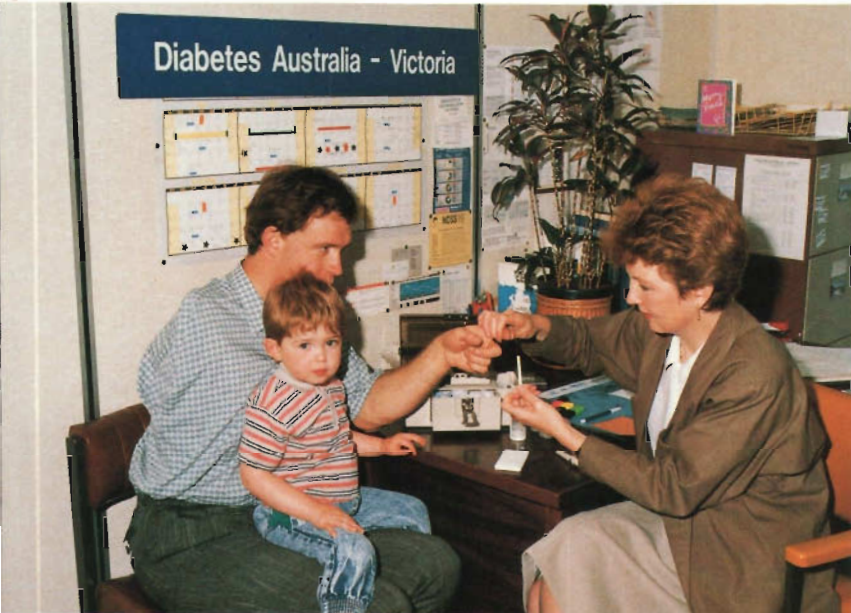
SOCIAL

*Clockwise from top:*  
Learning activities at a primary school.  
(Photo: Ministry of Education)

Meeting at a Community Centre.

Playground adjoining a Community Centre.  
(Photos: Ministry of Housing and Construction)

Discussing home blood glucose monitoring with a Diabetes Health Educator.  
(Photo: Diabetes Australia - Victoria)





## AGRICULTURE

*Clockwise from top:*

Wimmera wheat harvest.  
(Photo: Victorian Tourist  
Commission)

Sheep shearing.  
(Photo: Department of Industry,  
Technology and Resources)

Warrnambool saleyards.  
(Photo: Stock and Land - Rural  
Press)

Fruit picking.  
(Photo: S P C Limited)



**CRIME AND JUSTICE****Major crime**

During 1987-88 there were 310,534 offences reported to the Victoria Police, an increase of 9.0 per cent over the previous year. The major categories were theft (38 per cent of offences), burglary (29 per cent), fraud (20 per cent), and motor vehicle theft (11 per cent). A total of 70,494 offences were cleared in 1987-88 (up 4 per cent from 1986-87) and 31,610 persons were proceeded against (down 13 per cent from 1986-87).

**Prisoners and offenders**

There were 13 prisons operating in Victoria at 30 June 1988 with a maximum capacity of 2,192 prisoners. The number of prisoners in custody was 2,064.

In contrast to the fluctuations in the number of prisoners in custody, the number of offenders on community based correction programs has generally increased over recent years. There were 5,838 offenders in community based correction programs at 30 June 1988, an 8.4 per cent decrease compared with the previous year but representing a 37.0 per cent increase over a five year period.

**Uniform crime statistics**

During 1987-88 the ABS chaired a committee established by the Australian Police Ministers' Council (APMC) to review the present arrangements for the production of national uniform crime statistics and to develop a proposed course of action to achieve an adequate system of national uniform crime statistics.

The report of the committee presented to APMC in May 1989 made a number of recommendations centred around the establishment of a National Crime Statistics Unit, to be located within ABS but funded jointly by the Commonwealth and the States.

It was proposed that this Unit be established by 1 July 1990, and in the interim a trial be undertaken in two or more police jurisdictions to more clearly determine the methodology and costs associated with the generation of uniform national crime statistics. During the trial, the ABS would work with the Police Commissioners' Australian Crime Statistics Sub-Committee on the development of standard concepts, definitions and classifications.

Victoria Police, along with the New South Wales and Tasmania Police Forces, volunteered for the trial. ABS Victoria is playing a key role in planning, co-ordinating and implementing the trial in Victoria, in providing advice to the concurrent trials in the other states, and in contributing to work on national issues.

Co-operation between ABS Victoria and Victoria Police has enabled significant progress to be made towards the establishment of a trial processing system to produce national statistics. Involvement of the Victoria Police has also assisted greatly with the development of the necessary concepts and definitions for the proposed set of national data items.



TABLE 4.18 SUMMARY OF MAJOR CRIME, VICTORIA

Offence	Reported		Offences cleared		People proceeded against	
	1986-87	1987-88	1986-87	1987-88	1986-87	1987-88
Homicide	147	242	133	221	128	148
Serious assault	3,124	3,723	1,915	2,383	1,529	1,793
Robbery	2,090	1,811	556	537	367	355
Rape	510	458	358	296	155	202
Burglary	87,045	90,569	9,136	11,038	5,273	5,670
Theft	115,889	118,416	26,998	26,012	22,572	17,547
Motor vehicle theft	32,598	32,777	4,487	4,681	2,989	3,092
Fraud and deception	42,263	62,538	23,896	25,326	3,069	2,802
<b>Total</b>	<b>283,666</b>	<b>310,534</b>	<b>67,479</b>	<b>70,494</b>	<b>36,541</b>	<b>31,610</b>

Source: Victoria Police

TABLE 4.19 SENTENCED AND UNSENTENCED PRISONERS, VICTORIA

Year	Prisoners in custody at 30 June				
	Sentenced		Unsentenced		Total
	number	per cent	number	per cent	
1984	1,665	90.2	180	9.8	1,845
1985	1,655	88.1	223	11.9	1,878
1986	1,749	89.5	206	10.5	1,955
1987	1,705	87.2	251	12.8	1,956
1988	1,820	88.2	244	11.8	2,064
1989	1,942	86.2	311	13.8	2,253

Source: Annual National Prison Census, conducted by the Australian Institute of Criminology.

TABLE 4.20 PRISON CAPACITIES AND PRISONER NUMBERS, VICTORIA

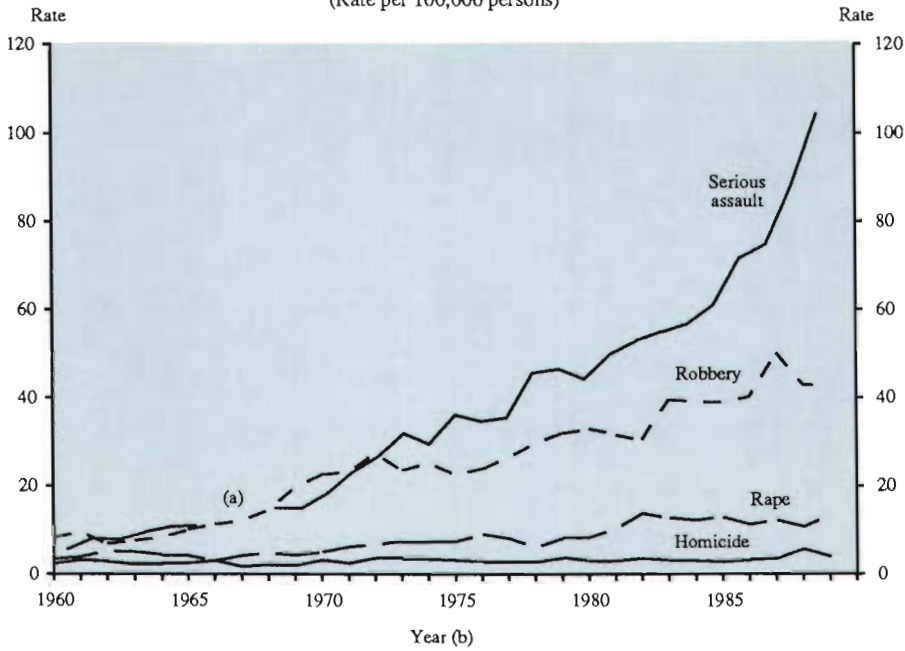
Prison	Maximum capacity at 30 June 1988	Prisoners in custody at 30 June 1988	Daily average number of prisoners in custody during 1987-88
Ararat	212	191	210
Beechworth	118	113	114
Bendigo	86	86	85
Castlemaine	100	97	96
Dhurringile	95	95	92
Fairlea	90	83	78
Geelong	121	117	119
Metropolitan Reception Prison	576	530	536
Morwell River	86	79	79
Pentridge	497	462	420
Sale	58	58	56
Tarrengower	24	24	11
Won Wron	129	129	121
<b>Total</b>	<b>2,192</b>	<b>2,064</b>	<b>2,017</b>

Source: Victorian Office of Corrections



# REPORTED CRIMES: MAJOR CRIMES AGAINST THE PERSON, VICTORIA

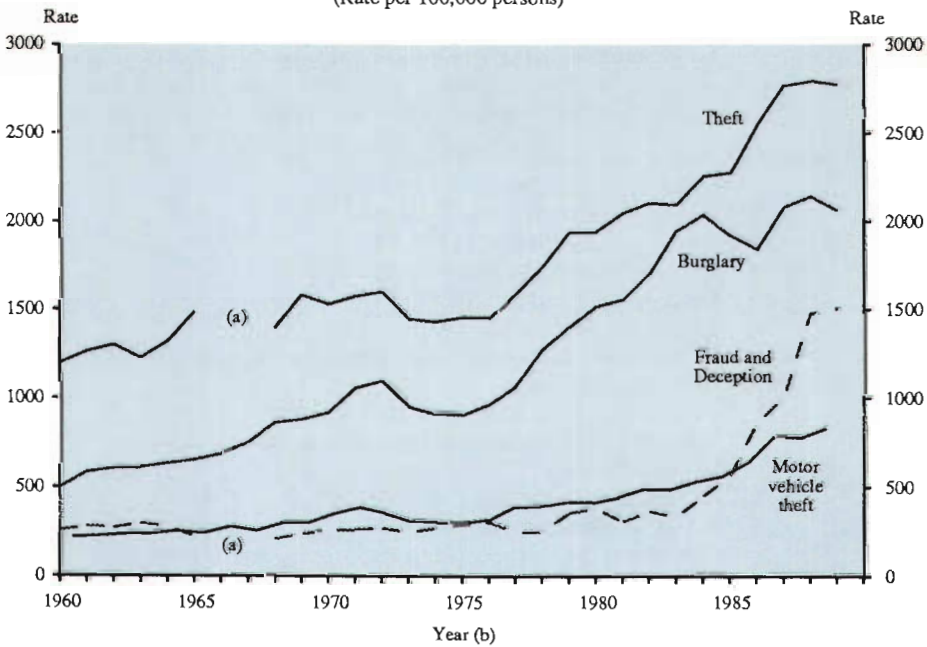
(Rate per 100,000 persons)



(a) The data were unavailable. (b) The years shown are calendar years until 1984-85 when they became financial years.

# REPORTED CRIMES: MAJOR CRIMES AGAINST PROPERTY, VICTORIA

(Rate per 100,000 persons)



(a) The data were unavailable. (b) The years shown are calendar years until 1984-85 when they became financial years.

**TABLE 4.21 OFFENDERS ON COMMUNITY BASED CORRECTION PROGRAMS, VICTORIA**

Program	Offenders per program at 30 June (a)					
	1983	1984	1985	1986	1987	1988
Community Based Orders (b)	-	-	-	290	3,461	4,541
Probation Orders	3,045	3,345	3,731	3,800	1,736	128
Attendance Centre Orders	278	302	391	555	4	1
Community Service Orders (c)	50	79	226	613	58	2
Parole	873	1,025	956	938	934	864
Pre-release (d)	-	199	258	238	181	302
<b>Total</b>	<b>4,246</b>	<b>4,950</b>	<b>5,562</b>	<b>6,434</b>	<b>6,374</b>	<b>5,838</b>

(a) It is possible for individual offenders to be on more than one program at the same time and therefore counted separately in each program type.

(b) Commenced on 1 June 1986.

(c) Commenced in one region of the state only, in September 1982; available statewide from 1 February 1985.

(d) Commenced 1 April 1984.

Note: No new Probation Orders, Attendance Centre Orders, or Community Service Orders were made after 1 June 1986.

Source: Victorian Office of Corrections

## REFERENCES

### Data sources

The statistics in this chapter are mainly derived from a number of administrative by-product collections.

Statistics on primary and secondary education are from the National Schools Statistics Collection conducted annually. Higher education data are provided by the Commonwealth Department of Employment, Education and Training.

Data on hospitals and hospital morbidity are provided by the Victorian Health Department.

Cause of death statistics are compiled by the ABS from data made available from the Registrar of Births, Deaths and Marriages.

Social welfare data have been obtained from the Commonwealth Department of Social Security, Community Services Victoria, Australian Institute of Criminology, the Victorian Office of Corrections and Victoria Police.

### ABS publications

*Older People in Victoria* (2501.2)  
*Causes of Death, Victoria* (3302.2)  
*Causes of Death, Australia* (3303.0)  
*Social Indicators, Australia* (4101.0)  
*Social Indicators, Victoria* (4101.2)  
*Youth in Victoria* (4111.2)  
*Women, Victoria* (4112.2)  
*Reasons for Completion and Non-Completion of Secondary Education, Australia* (4214.0)  
*Tertiary Education, Australia* (4218.0)  
*National Schools Statistics Collection, Australia* (4221.0)  
*Schools, Victoria* (4221.2)  
*Public Hospital Morbidity, Victoria* (4301.2)  
*Health, Social Report Victoria* (4302.2)  
*Provision of Welfare Services by Volunteers, Victoria* (4401.2)  
*Domiciliary Support in Private Dwellings, Victoria* (4402.2)  
*Court Proceedings Initiated by Police, Victoria* (4501.2)  
*Crime Victims Survey, Victoria* (4505.2)  
*Crime and Crime Prevention Survey, Victoria, July 1987, Preliminary* (4507.2)

# VICTORIA : A BROAD ECONOMIC OVERVIEW

This Chapter contains a range of National and State Accounts and labour force statistics for the period 1982-83 to 1987-88, which present a broad overview of the Victorian economy and provide a basis for comparison with the national economy. In addition, the Chapter serves as an introduction to Chapters 6 to 11, which deal with specific sectors of the Victorian economy.

## National Accounts

This historical and comparative perspective of the Victorian economy has been facilitated by the ABS publication *Australian National Accounts, State Accounts, 1987-88* (\$220.0). This publication contains official income based estimates of State Gross Domestic Product (GDP) at factor cost and its principal components for the years 1976-77 to 1987-88. It also contains other detailed State estimates, such as household income, farm income and private final consumption expenditure.

## General trends

In general terms, the Victorian economy during the period 1982-83 to 1987-88 grew at a slightly faster rate than the Australian economy.

For instance, for the six year period 1982-83 to 1987-88, GDP at factor cost increased by 72.0 per cent for Australia compared with 74.5 per cent for Victoria. Household disposable income for Victoria increased by 69.8 per cent, compared with 65.1 per cent for Australia, which reflects the stronger than average growth in employment and earnings.

Across the main aggregates, Victoria has generally maintained a share of the national activity of around 27.0 per cent for the period under review except for farm income, which fluctuated between 19.0 per cent and 33.9 per cent of the national total.

## Trends in industries

Manufacturing remains the most significant industry in terms of its contribution to the State's GDP at factor cost and in providing employment opportunities. However, its share of GDP has been steadily declining, dropping to 21.4 per cent in 1986-87 from 23.1 per cent in 1982-83. A similar pattern occurred at the national level, with Manufacturing's share of GDP dropping from 18.5 per cent in 1982-83 to 17.3 per cent in 1986-87.

Public administration, defence and community services remained the second most significant industry over the period under review, at both State and national levels, but as with Manufacturing, its share of GDP has also been steadily declining. In Victoria, its share dropped to 16.6 per cent in 1986-87 from 17.7 per cent in 1982-83 as against 18.3 per cent and 16.8 per cent respectively for Australia.

Wholesale and retail trade proved to be the fastest growing industry in Victoria, with its share of GDP at factor cost increasing from 13.5 per cent in 1982-83 to 14.6 per cent in 1986-87.



**Labour force**

Victoria's share of the total number of persons employed remained relatively constant at August each year between 1983 and 1986, fluctuating between 26.4 per cent (1986) and 26.8 per cent (1983 and 1985). Victoria's share of the Australian total then increased to 27.1 per cent in 1987 before decreasing to 26.3 per cent in 1988.

Unemployment rates for Victoria were lower than for Australia at August each year between 1983 and 1988. In 1983 unemployment rates peaked for both Victoria and Australia at 8.9 per cent and 9.9 per cent, respectively. In subsequent years, unemployment in Victoria decreased at a faster rate than for Australia. For August 1988, the unemployment rate for Victoria was 5.6 per cent as against 6.8 per cent for Australia.

The total number of persons employed in Victoria increased by 255,400 persons (15.2 per cent) between 1983 and 1988, compared with an increase of 1,112,300 (17.8 per cent) at the national level.

**TABLE 5.1 AUSTRALIAN NATIONAL ACCOUNTS, VICTORIA IN RELATION TO AUSTRALIA**

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
<b>VICTORIA (\$m)</b>						
GDP at factor cost	40,458	46,013	50,590	57,298	62,816	(a)70,611
Non farm GDP at factor cost	39,360	43,926	48,841	55,439	60,520	n.a.
Household disposable income	30,520	34,694	37,321	41,748	46,613	51,821
Farm income	208	1,112	600	546	877	1,169
Private final consumption	27,933	30,945	33,512	37,505	41,575	45,167
<b>AUSTRALIA (\$m)</b>						
GDP at factor cost	150,063	168,133	185,996	208,306	230,085	258,168
Non farm GDP at factor cost	144,825	159,607	177,480	199,960	220,700	246,831
Household disposable income	113,827	127,308	138,050	152,997	168,062	187,927
Farm income	765	3,579	3,155	2,044	2,588	4,496
Private final consumption	105,695	116,284	127,674	142,795	156,305	172,559
<b>VICTORIA AS A PERCENTAGE OF AUSTRALIA</b>						
GDP at factor cost	27.0	27.4	27.2	27.5	27.3	(a)27.4
Non farm GDP at factor cost	27.2	27.5	27.5	27.7	27.4	n.a.
Household disposable income	26.8	27.3	27.0	27.3	27.7	27.6
Farm income	27.2	31.1	19.0	26.7	33.9	26.0
Private final consumption	26.4	26.6	26.2	26.3	26.6	26.2

(a) Source: Department of Management and Budget, Victoria.

Between 1983 and 1988 the Finance, property and business services industry experienced the strongest rate of growth in number of persons employed, (45.4 per cent), with an increase of 67,000 persons. Other industries recording strong growth were Construction (38.3 per cent), Community services (21.3 per cent), and Wholesale and retail trade (21.1 per cent).

The Mining and Transport and storage industries in Victoria experienced a drop in the number of persons employed between 1983 and 1988 compared to slight increases at the national level. Employment in the Transport and storage industry in Victoria declined by 5.9 per cent as against a 3.8 per cent increase for Australia.

In 1988 Manufacturing in Victoria accounted for 21.1 per cent of local persons employed as against 19.8 per cent for Wholesale and retail trade, and 17.6 per cent for Community services.

**TABLE 5.2 AUSTRALIAN NATIONAL ACCOUNTS, GROSS DOMESTIC PRODUCT AT FACTOR COST, BY STATE AND TERRITORY**

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
	\$m					
New South Wales	53,169	58,696	63,820	71,521	79,390	n.a.
<b>Victoria</b>	<b>40,458</b>	<b>46,013</b>	<b>50,590</b>	<b>57,298</b>	<b>62,816</b>	<b>(a)70,611</b>
Queensland	22,765	25,266	28,060	31,144	34,274	n.a.
South Australia	11,397	13,656	15,178	16,680	18,055	n.a.
Western Australia	14,040	15,267	17,982	19,944	22,382	n.a.
Tasmania	3,638	4,010	4,463	4,944	5,551	n.a.
Northern Territory	1,630	1,912	2,043	2,379	2,772	n.a.
Australian Capital Territory	2,966	3,313	3,860	4,396	4,845	n.a.
<b>Australia</b>	<b>150,063</b>	<b>168,133</b>	<b>185,996</b>	<b>208,306</b>	<b>230,085</b>	<b>258,168</b>
	Percentage change from previous year					
New South Wales	6.3	10.4	8.7	12.1	11.0	n.a.
<b>Victoria</b>	<b>8.5</b>	<b>13.7</b>	<b>9.9</b>	<b>13.3</b>	<b>9.6</b>	<b>12.4</b>
Queensland	8.9	11.0	11.1	11.0	10.1	n.a.
South Australia	9.7	19.8	11.1	9.9	8.2	n.a.
Western Australia	15.2	8.7	17.8	10.9	12.2	n.a.
Tasmania	8.4	10.2	11.3	10.8	12.3	n.a.
Northern Territory	18.4	17.3	6.9	16.4	16.5	n.a.
Australian Capital Territory	12.6	11.7	16.5	13.9	10.2	n.a.
<b>Australia</b>	<b>8.6</b>	<b>12.0</b>	<b>10.6</b>	<b>12.0</b>	<b>10.5</b>	<b>12.2</b>
	Percentage share of total					
New South Wales	35.4	34.9	34.3	34.3	34.5	n.a.
<b>Victoria</b>	<b>27.0</b>	<b>27.4</b>	<b>27.2</b>	<b>27.5</b>	<b>27.3</b>	<b>27.4</b>
Queensland	15.2	15.0	15.1	15.0	14.9	n.a.
South Australia	7.6	8.1	8.2	8.0	7.8	n.a.
Western Australia	9.4	9.1	9.7	9.6	9.7	n.a.
Tasmania	2.4	2.4	2.4	2.4	2.4	n.a.
Northern Territory	1.1	1.1	1.1	1.1	1.2	n.a.
Australian Capital Territory	2.0	2.0	2.1	2.1	2.1	n.a.
<b>Australia</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

(a) Source: Department of Management and Budget, Victoria.

**TABLE 5.3 AUSTRALIAN NATIONAL ACCOUNTS, GROSS DOMESTIC PRODUCT AT  
FACTOR COST BY INDUSTRY**  
(\$m)

<i>Industry</i>	<i>1982-83</i>	<i>1983-84</i>	<i>1984-85</i>	<i>1985-86</i>	<i>1986-87</i>	<i>1987-88</i>
<b>VICTORIA</b>						
Agriculture, forestry, fishing, and hunting	1,183	2,168	1,829	1,950	2,389	n.a.
Mining	1,701	2,323	2,908	3,084	2,306	n.a.
Manufacturing	9,345	10,591	11,577	12,515	13,446	n.a.
Electricity, gas, and water	1,563	1,963	2,124	2,332	2,720	n.a.
Construction	2,401	2,618	3,039	3,607	4,122	n.a.
Wholesale and retail trade	5,452	5,799	6,773	8,045	9,140	n.a.
Transport, storage, and communication	3,182	3,429	3,843	4,360	5,054	n.a.
Finance, property, and business services	2,631	2,903	2,606	3,764	4,115	n.a.
Public administration, defence, and community services	7,179	7,724	8,600	9,381	10,406	n.a.
Recreation, personal, and other services	1,367	1,510	1,751	2,023	2,138	n.a.
Ownership of dwellings	3,457	3,925	4,425	5,026	5,676	n.a.
General government gross operating surplus	997	1,060	1,115	1,211	1,304	n.a.
<b>All industries</b>	<b>40,458</b>	<b>46,013</b>	<b>50,590</b>	<b>57,298</b>	<b>62,816</b>	<b>(a)70,611</b>
<b>AUSTRALIA</b>						
Agriculture, forestry, fishing, and hunting	5,723	9,025	9,019	9,101	10,179	12,144
Mining	6,910	8,278	9,687	12,085	12,118	12,644
Manufacturing	27,813	31,041	33,993	37,261	39,888	45,390
Electricity, gas, and water	5,887	6,766	7,378	8,251	9,122	9,873
Construction	10,306	10,904	12,563	14,278	16,281	18,227
Wholesale and retail trade	19,779	21,631	25,051	28,592	31,532	36,111
Transport, storage, and communication	12,937	14,672	16,527	18,350	20,407	22,801
Finance, property, and business services	10,382	11,627	12,130	14,357	16,693	19,373
Public administration, defence, and community services	27,390	29,279	32,114	34,804	38,734	41,852
Recreation, personal, and other services	5,728	6,149	6,947	7,961	8,847	10,135
Ownership of dwellings	13,151	14,428	16,004	18,256	20,844	23,812
General government gross operating surplus	4,057	4,333	4,583	5,010	5,440	5,806
<b>All industries</b>	<b>150,063</b>	<b>168,133</b>	<b>185,996</b>	<b>208,306</b>	<b>230,085</b>	<b>258,168</b>

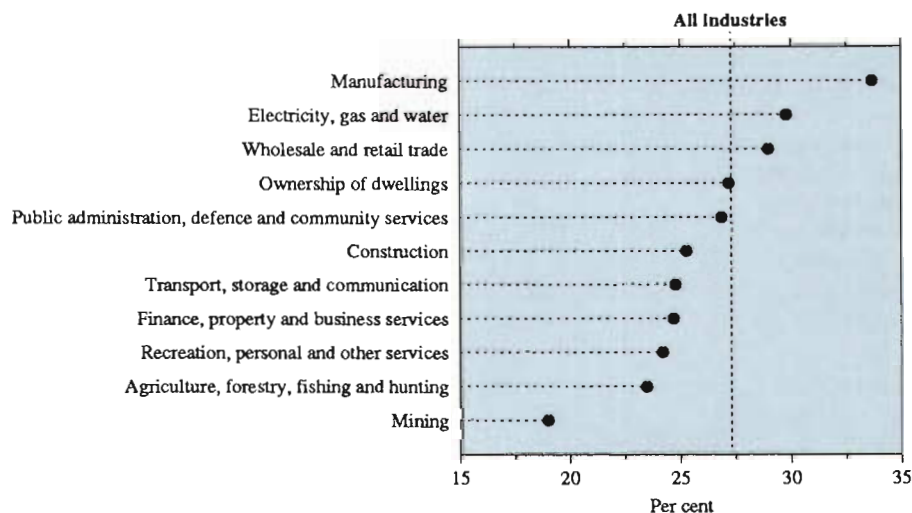
(a) Source: Department of Management and Budget, Victoria.



**TABLE 5.4 AUSTRALIAN NATIONAL ACCOUNTS, GROSS DOMESTIC PRODUCT AT FACTOR COST BY INDUSTRY, VICTORIA AS A PERCENTAGE OF AUSTRALIA**  
(per cent)

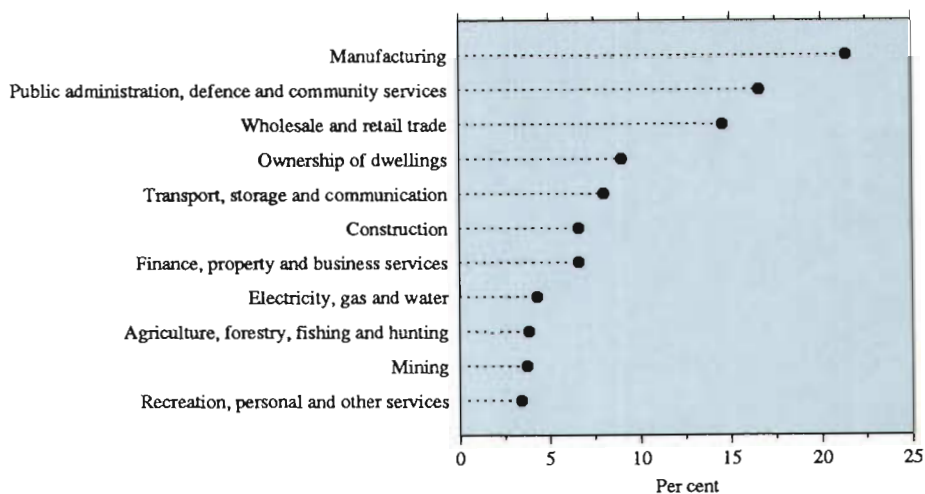
Industry	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Agriculture, forestry, fishing, and hunting	20.7	24.0	20.3	21.4	23.5	n.a.
Mining	24.6	28.1	30.0	25.5	19.0	n.a.
Manufacturing	33.6	34.1	34.1	33.6	33.7	n.a.
Electricity, gas, and water	26.6	29.0	28.8	28.3	29.8	n.a.
Construction	23.3	24.0	24.2	25.3	25.3	n.a.
Wholesale and retail trade	27.6	26.8	27.0	28.1	29.0	n.a.
Transport, storage, and communication	24.6	23.4	23.3	23.8	24.8	n.a.
Finance, property, and business services	25.3	25.0	21.5	26.2	24.7	n.a.
Public administration, defence, and community services	26.2	26.4	26.8	27.0	26.9	n.a.
Recreation, personal, and, other services	23.9	24.6	25.2	25.4	24.2	n.a.
Ownership of dwellings	26.3	27.2	27.6	27.5	27.2	n.a.
General government gross operating surplus	24.6	24.5	24.3	24.2	24.0	n.a.
<b>All industries</b>	<b>27.0</b>	<b>27.4</b>	<b>27.2</b>	<b>27.5</b>	<b>27.3</b>	<b>27.4</b>

**AUSTRALIAN NATIONAL ACCOUNTS, GROSS DOMESTIC PRODUCT AT FACTOR COST BY INDUSTRY, VICTORIA AS A PERCENTAGE OF AUSTRALIA, 1986-87**





**AUSTRALIAN NATIONAL ACCOUNTS, INDIVIDUAL INDUSTRIES AS  
A PERCENTAGE OF GROSS DOMESTIC PRODUCT AT FACTOR COST,  
VICTORIA, 1986-87**



**AUSTRALIAN NATIONAL ACCOUNTS, INDIVIDUAL INDUSTRIES AS  
A PERCENTAGE OF GROSS DOMESTIC PRODUCT AT FACTOR COST,  
AUSTRALIA, 1987-88**

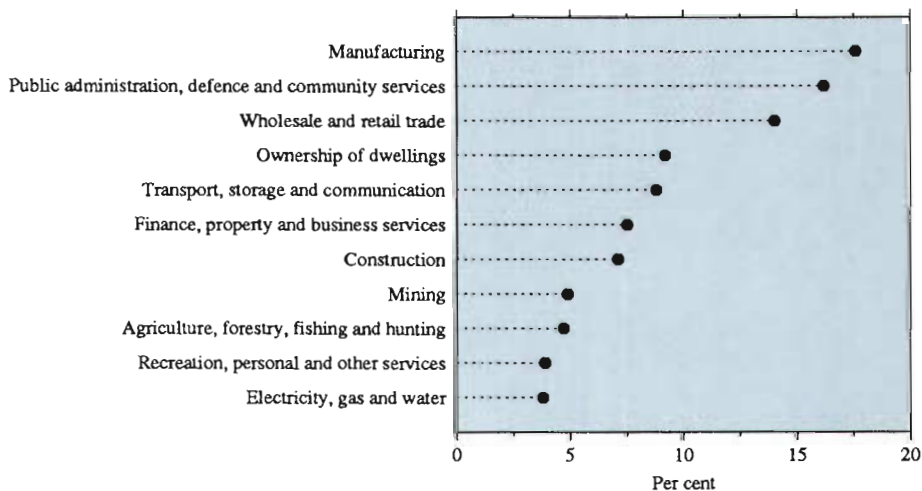




TABLE 5.6 EMPLOYED PERSONS BY INDUSTRY (a)  
(<sup>'000</sup>)

August	Agriculture forestry, fishing, and hunting	Mining	Manufacturing	Construction	Wholesale and retail trade	Transport and storage	Finance property, and business services	Community services	Recreational, personal, and other services	Other industries (b)	Total
VICTORIA											
1983 (c)	91.5	6.0	390.7	95.6	314.9	95.4	147.5	279.5	94.6	159.5	1,675.1
1984 (c)	98.1	5.1	391.8	95.0	330.8	86.3	161.2	297.7	96.4	160.5	1,722.8
1985	99.6	6.0	399.4	110.2	342.3	85.7	171.0	308.0	98.1	165.9	1,786.2
1986	97.1	5.8	371.7	126.6	341.1	99.7	197.2	324.5	97.1	167.8	1,828.6
1987	96.4	7.7	392.1	128.0	367.5	95.0	198.0	356.0	113.4	169.4	1,923.6
1988 (c)	95.8	5.6	407.2	132.2	381.3	89.8	214.5	338.9	110.9	154.1	1,930.5
AUSTRALIA											
1983 (c)	411.7	94.3	1,132.0	388.0	1,217.1	365.2	574.5	1,077.3	390.8	590.3	6,241.1
1984 (c)	399.6	92.2	1,142.2	423.5	1,271.1	354.9	620.3	1,139.3	420.6	602.4	6,466.1
1985	415.1	101.6	1,113.2	471.2	1,324.7	377.4	668.0	1,160.4	430.9	613.2	6,675.6
1986	415.5	95.5	1,131.6	493.4	1,390.7	396.4	703.2	1,222.2	457.7	612.5	6,918.6
1987	402.4	98.5	1,154.4	487.9	1,411.6	375.3	771.1	1,283.7	496.3	611.1	7,092.3
1988 (c)	428.2	95.3	1,203.6	529.2	1,502.2	379.1	805.5	1,308.6	530.2	571.4	7,353.4

See footnotes at end of Table 5.8.

TABLE 5.7 EMPLOYED PERSONS BY INDUSTRY AS A PERCENTAGE OF TOTAL PERSONS EMPLOYED (a)

August -	Agriculture forestry, fishing and hunting	Mining	Manufacturing	Construction	Wholesale and retail trade	Transport and storage	Finance, property, and business services	Community services	Recreational, personal, and other services	Other industries (b)	Total
VICTORIA											
1983 (c)	5.5	0.4	23.3	5.7	18.8	5.7	8.8	16.7	5.6	9.5	100.0
1984 (c)	5.7	0.3	22.7	5.5	19.2	5.0	9.4	17.3	5.6	9.3	100.0
1985	5.6	0.3	22.4	6.2	19.2	4.8	9.6	17.2	5.5	9.3	100.0
1986	5.3	0.3	20.3	6.9	18.7	5.5	10.8	17.7	5.3	9.2	100.0
1987	5.0	0.4	20.4	6.7	19.1	4.9	10.3	18.5	5.9	8.8	100.0
1988 (c)	5.0	0.3	21.1	6.8	19.8	4.7	11.1	17.6	5.7	8.0	100.0
AUSTRALIA											
1983 (c)	6.6	1.5	18.1	6.2	19.5	5.9	9.2	17.3	6.3	9.5	100.0
1984 (c)	6.2	1.4	17.7	6.5	19.7	5.5	9.6	17.6	6.5	9.3	100.0
1985	6.2	1.5	16.7	7.1	19.8	5.7	10.0	17.4	6.5	9.2	100.0
1986	6.0	1.4	16.4	7.1	20.1	5.7	10.2	17.7	6.6	8.9	100.0
1987	5.7	1.4	16.3	6.9	19.9	5.3	10.9	18.1	7.0	8.6	100.0
1988 (c)	5.8	1.3	16.4	7.2	20.4	5.2	11.0	17.8	7.2	7.8	100.0

See footnotes at end of Table 5.8.

TABLE 5.8 EMPLOYED PERSONS BY INDUSTRY (a), VICTORIA AS A PERCENTAGE OF AUSTRALIA

August -	Agriculture forestry, fishing and hunting	Mining	Manufacturing	Construction	Wholesale and retail trade	Transport and storage	Finance, property, and business services	Community services	Recreational, personal, and other services	Other industries (b)	Total
1983 (c)	22.2	6.4	34.5	24.6	25.9	26.1	25.7	25.9	24.2	27.0	26.8
1984 (c)	24.5	5.5	34.3	22.4	26.0	24.3	26.0	26.1	22.9	26.6	26.6
1985	24.0	5.9	35.9	23.4	25.8	22.7	25.6	26.5	22.8	27.1	26.8
1986	23.4	6.1	32.8	25.7	24.5	25.2	28.0	26.6	21.2	27.4	26.4
1987	24.0	7.8	34.0	26.2	26.0	25.3	25.7	27.7	22.8	27.7	27.1
1988 (c)	22.4	5.9	33.8	25.0	25.4	23.7	26.6	25.9	20.9	27.0	26.3

(a) Classified according to Australian Standard Industrial Classification.

(b) Comprises electricity, gas, and water; communication; public administration and defence.

(c) Figures for the periods 1983, and 1984 to 1988, are based respectively, on 1981 and 1986 Population Census benchmarks.

TABLE 5.9 CIVILIAN POPULATION AGED 15 AND OVER: LABOUR FORCE STATUS

<i>August</i>	<i>Employed ('000)</i>	<i>Unemployed ('000)</i>	<i>Labour force ('000)</i>	<i>Not in the Labour force ('000)</i>	<i>Civilian population aged 15 years and over ('000)</i>	<i>Unemployment rate (per cent)</i>	<i>Participation rate (per cent)</i>
VICTORIA							
1983 (a)	1,675.1	163.2	1,838.4	1,223.7	3,062.0	8.9	60.0
1984 (a)	1,722.8	129.6	1,852.4	1,259.1	3,111.5	7.0	59.5
1985	1,786.2	117.1	1,903.3	1,260.4	3,163.7	6.2	60.2
1986	1,828.6	132.3	1,960.9	1,257.7	3,218.6	6.7	60.9
1987	1,923.6	121.5	2,045.1	1,230.4	3,275.5	5.9	62.4
1988 (a)	1,930.5	114.9	2,045.3	1,284.4	3,329.7	5.6	61.4
AUSTRALIA							
1983 (a)	6,241.1	686.8	6,927.9	4,678.3	11,606.2	9.9	59.7
1984 (a)	6,466.1	604.0	7,070.1	4,738.7	11,808.8	8.5	59.9
1985	6,675.6	572.7	7,248.3	4,783.1	12,031.4	7.9	60.2
1986	6,918.6	597.6	7,516.2	4,775.7	12,291.9	8.0	61.1
1987	7,092.3	602.0	7,694.4	4,856.8	12,551.2	7.8	61.3
1988 (a)	7,353.4	538.7	7,892.1	4,922.5	12,814.5	6.8	61.6

(a) Figures for the periods 1983, and 1984 to 1988 are based respectively on 1981 and 1986 Population Census benchmarks.



## REFERENCES

### Data sources

National Accounts provide a systematic statistical framework for summarising and analysing the economic transactions taking place within the nation. While other statistical systems and collections fulfill similar functions in respect of particular parts of the economy and for particular types of transactions, the national accounts provide a comprehensive picture.

For an introduction into the concepts and definitions and a description of the sources of data and methods used to derive estimates for major national accounts aggregates, reference should be made to the publication *Australian National Accounts: Concepts, Sources and Methods* (5216.0).

For additional data on national accounts refer to the following publications.

### ABS publications

*Australian National Accounts: National Income and Expenditure* (5204.0)

*Australian National Accounts: State Accounts* (5220.0)

*The Labour Force, Australia* (6203.0)

*The Labour Force, Victoria* (6202.2)

# 6

## AGRICULTURE

### Introduction

The 1987-88 season was highlighted by large decreases in the area and production of wheat of 25 per cent and 33 per cent respectively. There was a 38 per cent increase in the area allocated to barley with a 16 per cent increase in production. Despite a 25 per cent increase in the area, production of legumes for grain fell by 19 per cent. Other crops generally recorded declines in yield and production.

Although the number of citrus fruit trees increased, there was a decrease in the production of citrus fruits. Apple production fell 16 per cent while pear production increased by 12 per cent. Stone fruits production generally recorded a significant rise with the exception of cherry production, which experienced an 8 per cent decline. There was a slight decrease in the area of grape vines, however grape production increased by 14 per cent from 288,600 tonnes to 329,200 tonnes.

There was a slight rise in livestock numbers. Meat cattle, sheep and lambs, and pig numbers all increased and the rate of decline in the number of milk cattle diminished. Shorn wool production increased from 124,965 tonnes to 128,217 tonnes.

In 1987-88 the total area of holdings of agricultural establishments slightly exceeded 13 million hectares.

### Victoria compared with Australia

In terms of farm income, Victoria's share for the latest 6 year period (1982-83 to 1987-88) fluctuated markedly. In 1987-88, farm income reached a new record of \$1,169m, compared with the previous peak of \$1,112m in 1983-84. The 1987-88 figure represented 26 per cent of the Australian farm income of \$4,496m.

The gross value of agricultural commodities produced (GVACP) provides a measure of the output from farming. In 1987-88, the GVACP for Victoria was \$4,608m, or 23 per cent of the Australian total of \$20,152m. In terms of value, Victoria produced 22 per cent of Australia's crops, 22 per cent of livestock slaughtered, and 27 per cent of livestock products (wool, milk, eggs, and honey).

### Scope of the Agricultural Census

Statistics in this publication are, in general, derived from the annual Agricultural Census conducted throughout Australia at 31 March, which collects data from establishments with agricultural activity.

The ABS excludes from the Census establishments with an estimated value of agricultural operations (EVAO) less than a certain cut-off level. This cut-off

level is reviewed from time to time. From 1981-82 to 1985-86 establishments were excluded from the Census if they had, or were expected to have, an EVAO of less than \$2,500. From the 1986-87 Census, the cut-off value has been raised to \$20,000.

EVAO is an aggregation of derived values for all crop and livestock activity for each unit. It should be noted that EVAO is applicable *only for Industry Coding and Size Valuation purposes*. It is NOT an indicator of receipts obtained by units nor of the value of agricultural commodities produced by these units.

**TABLE 6.1 AUSTRALIAN NATIONAL ACCOUNTS: GROSS DOMESTIC PRODUCT AT FACTOR COST, AGRICULTURE, FORESTRY, FISHING, AND HUNTING INDUSTRY**

Year	Gross Domestic Product at factor cost		
	Victoria	Australia	Victoria as a percent- age of Australia
	\$m	\$m	per cent
1982-83	1,183	5,723	20.7
1983-84	2,168	9,025	24.0
1984-85	1,829	9,019	20.3
1985-86	1,950	9,101	21.4
1986-87	2389	10,179	23.5
1987-88	n.a	12,144	n.a

**TABLE 6.2 AUSTRALIAN NATIONAL ACCOUNTS: FARM INCOME**

Year	Victoria	Australia	Victoria as a percent- age of Australia
	\$m	\$m	per cent
1982-83	208	765	27.2
1983-84	1,112	3,579	31.1
1984-85	600	3,155	19.0
1985-86	546	2,044	26.7
1986-87	877	2,588	33.9
1987-88	1,169	4,496	26.0



**TABLE 6.3 VALUE OF AGRICULTURAL COMMODITIES PRODUCED, VICTORIA**  
(\$'000)

Particulars	Year ended 30 June					
	1983	1984	1985	1986	1987	1988
<b>Crops -</b>						
Cereals for grain	99,999	814,819	588,176	480,321	r525,136	421,509
Hay	177,855	311,638	82,103	143,698	181,003	148,406
Industrial crops	23,443	34,465	35,776	33,091	34,329	48,562
Vegetables	139,223	197,641	158,496	185,605	227,351	255,994
Grapes	107,143	93,116	114,014	123,000	117,776	149,323
Fruit	114,722	113,962	151,554	154,030	203,604	202,101
Other	81,430	93,592	131,078	158,528	r186,862	269,598
<b>Total</b>	<b>743,815</b>	<b>1,659,233</b>	<b>1,261,197</b>	<b>1,278,273</b>	<b>r1,476,061</b>	<b>1,495,493</b>
<b>Livestock slaughtering and other disposals -</b>						
Cattle and calves	467,670	432,670	484,082	520,269	561,154	570,499
Sheep and lambs	154,688	182,611	179,647	178,677	r259,275	270,033
Other	211,632	219,695	258,121	251,327	r249,424	294,405
<b>Total</b>	<b>833,989</b>	<b>834,804</b>	<b>921,851</b>	<b>950,273</b>	<b>r1,069,853</b>	<b>1,134,937</b>
<b>Livestock products -</b>						
Wool	324,133	381,858	502,306	542,076	r726,259	1,144,831
Dairy products	615,000	589,062	473,360	557,935	r643,778	747,811
Other	71,097	86,019	84,685	84,637	86,327	84,633
<b>Total</b>	<b>1,010,230</b>	<b>1,056,939</b>	<b>1,060,351</b>	<b>1,184,647</b>	<b>r1,456,364</b>	<b>1,977,275</b>
<b>Grand total</b>	<b>2,588,035</b>	<b>3,550,977</b>	<b>3,243,399</b>	<b>3,413,193</b>	<b>r4,002,278</b>	<b>4,607,705</b>

**TABLE 6.4 GROSS VALUE OF AGRICULTURAL COMMODITIES PRODUCED 1987-88**  
(\$'000)

	Victoria	Australia	Victoria as a percentage of Australia
<b>Crops -</b>			
Cereals for Grain	421,500	3,072,800	13.7
Hay	148,400	426,500	34.7
Industrial Crops	48,600	1,281,700	3.7
Vegetables	256,000	952,900	26.8
Grapes	149,300	353,700	42.2
Fruit	202,100	886,000	22.8
Other	269,600	838,400	32.1
<b>Total</b>	<b>1,495,500</b>	<b>7,812,000</b>	<b>19.1</b>
<b>Livestock Slaughtering and other disposals -</b>			
Cattle and Calves	570,500	3,057,000	18.6
Sheep and Lambs	270,000	803,900	33.5
Other	294,400	1,213,400	24.2
<b>Total</b>	<b>1,134,900</b>	<b>5,074,300</b>	<b>22.3</b>
<b>Livestock Products -</b>			
Wool	1,144,800	5,516,600	20.7
Dairy Products	747,800	1,390,900	53.7
Other	84,600	348,700	24.2
<b>Total</b>	<b>1,977,300</b>	<b>7,256,200</b>	<b>27.2</b>
<b>Grand total</b>	<b>4,607,700</b>	<b>20,143,500</b>	<b>22.8</b>

**TABLE 6.5 NUMBER OF ESTABLISHMENTS, WITH AGRICULTURAL ACTIVITY, AREA, AND LAND UTILISATION, BY STATISTICAL DIVISION 1987-88**

Statistical division	Number of establishments (a)	Area used for crops(b)(c)	Sown pasture and lucerne	Native pasture	Balance of establishments	Total area of establishments
		'000 ha	'000 ha	'000 ha	'000 ha	'000 ha
Melbourne	1,712	20	100	33	44	197
Barwon	1,620	45	266	74	64	448
South Western	4,912	53	1,294	235	166	1,748
Central Highlands	1,785	70	484	136	87	777
Wimmera	3,353	785	876	208	502	2,371
Northern Mallee	3,655	693	531	398	853	2,475
Loddon-Campaspe	3,247	279	670	267	256	1,502
Goulburn	4,988	150	720	225	170	1,265
North Eastern	1,912	42	295	112	254	703
East Gippsland	1,222	8	224	270	469	971
Central Gippsland	3,517	10	421	54	57	542
East Central	765	4	60	11	11	86
<b>Total Victoria</b>	<b>32,688</b>	<b>2,154</b>	<b>5,970</b>	<b>2,024</b>	<b>2,934</b>	<b>13,086</b>

(a) Includes non land-based bee keeping establishments (i.e. bee keeping activity not permanently located at one site).

(b) Excludes area of pasture cut for hay or seed.

(c) Duplicated area included if double-cropping occurred.

**TABLE 6.6 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY EVAO AND MAIN ACTIVITY OF ESTABLISHMENT, BY STATISTICAL DIVISION, VICTORIA, 1987-88 (a)**

Main activity of establishment	Estimated value of agricultural operations (EVAO) (\$'000)						Total estab- lish- ments
	<20	20-39	40-59	60-99	100-199	200+	
MELBOURNE STATISTICAL DIVISION							
Meat cattle	48	119	59	42	15	3	321
Vegetables	16	34	33	61	88	89	286
Orchard and other fruit	19	45	24	42	52	32	214
Nurseries	11	41	21	45	45	48	211
Poultry	3	8	11	26	31	61	140
Potatoes	1	3	4	1	14	11	34
Other	56	114	104	122	83	27	506
Total	154	364	256	339	328	271	1,712
BARWON STATISTICAL DIVISION							
Milk cattle	9	44	88	258	171	28	598
Sheep	20	84	81	108	74	44	411
Meat cattle	21	62	26	25	10	3	147
Other	40	77	73	89	101	84	464
Total	90	267	268	480	356	159	1,620
SOUTH WESTERN STATISTICAL DIVISION							
Sheep	32	163	328	580	602	243	1,948
Milk cattle	12	107	258	750	469	67	1,663
Sheep and meat cattle	7	70	77	141	182	140	617
Meat cattle	60	198	97	59	44	14	472
Other	15	30	20	46	60	41	212
Total	126	568	780	1,576	1,357	505	4,912



**TABLE 6.6 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY EVAO AND MAIN ACTIVITY OF ESTABLISHMENT, BY STATISTICAL DIVISION, VICTORIA, 1987-88 (a) - continued**

Main activity of establishment	Estimated value of agricultural operations EVAO (\$'000)						Total establish- ments
	<20	20-39	40-59	60-99	100-199	200+	
CENTRAL HIGHLANDS STATISTICAL DIVISION							
Sheep	12	155	183	281	293	109	1033
Sheep and cereals	1	21	15	44	44	26	161
Potatoes	1	14	12	26	51	57	151
Sheep and meat cattle	2	39	38	30	16	22	147
Meat cattle	13	41	10	8	5	-	77
Other	25	43	37	47	41	23	216
Total	54	313	295	436	450	237	1,785
WIMMERA STATISTICAL DIVISION							
Cereal grains	35	123	139	243	317	138	1,464
Sheep and cereals	22	128	199	389	533	193	995
Sheep	35	105	136	202	160	54	692
Other	36	26	36	31	46	27	202
Total	128	382	510	865	1,056	412	3,353
NORTHERN MALLEE STATISTICAL DIVISION							
Grapes	53	203	352	507	303	59	1,477
Cereal grains	23	55	62	114	223	207	684
Sheep and cereals	3	38	59	138	276	158	672
Orchard and other fruit	13	28	32	34	52	43	202
Other	81	103	111	150	118	57	620
Total	173	427	616	943	972	524	3,655
LODDON-CAMPASPE STATISTICAL DIVISION							
Sheep and cereals	11	109	131	240	266	84	841
Milk cattle	5	34	104	352	225	28	749
Sheep	29	160	165	197	159	39	748
Meat cattle	27	82	33	28	12	5	187
Sheep and meat cattle	7	36	40	40	36	7	166
Pigs	3	6	5	14	27	29	84
Other	75	92	61	76	101	67	472
Total	157	519	539	947	826	259	3,247
GOULBURN STATISTICAL DIVISION							
Milk cattle	23	87	363	915	418	45	1,851
Sheep and cereals	18	75	120	175	129	21	538
Meat cattle	86	206	90	82	30	8	502
Sheep and meat cattle	13	98	110	124	95	30	470
Orchard and other fruit	12	21	36	56	111	136	372
Cereal grains	23	24	10	9	15	1	82
Meat cattle and cereals	11	12	10	14	9	-	56
Other	77	239	219	268	179	135	1,117
Total	263	762	958	1,643	986	376	4,988



**TABLE 6.6 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY EVAO AND MAIN ACTIVITY OF ESTABLISHMENT, BY STATISTICAL DIVISION, VICTORIA, 1987-88 (a) - continued**

Main activity of establishment	Estimated value of agricultural operations EVAO (\$'000)						Total estab- lish- ments
	<20	20-39	40-59	60-99	100-199	200+	
NORTH EASTERN STATISTICAL DIVISION							
Meat cattle	58	264	159	120	47	11	659
Milk cattle	4	30	64	154	112	13	377
Sheep and meat cattle	9	65	48	74	45	13	254
Tobacco	-	7	14	34	81	45	181
Other	47	71	76	116	93	38	441
Total	118	437	361	498	378	124	1,912
EAST GIPPSLAND STATISTICAL DIVISION							
Milk cattle	1	19	56	142	118	25	361
Meat cattle	40	132	66	50	27	3	318
Sheep and meat cattle	3	37	49	50	62	14	215
Other	16	60	66	76	62	48	328
Total	60	248	237	318	269	90	1,222
CENTRAL GIPPSLAND STATISTICAL DIVISION							
Milk cattle	21	146	383	861	552	78	2,041
Meat cattle	114	338	146	129	74	21	822
Other	47	101	96	145	167	100	653
Total	180	585	625	1,135	793	199	3,517
EAST CENTRAL STATISTICAL DIVISION							
Milk cattle	5	40	56	117	63	4	285
Meat cattle	32	88	42	34	16	2	214
Other	16	36	36	59	69	50	266
Total	53	164	132	210	148	56	765

(a) The period covered in this and most subsequent tables in this Chapter is the 1987-88 season, which in general refers to the year ended 31 March 1988 but also includes activities which may have been finalised after 31 March (e.g. grape picking). In most of these activities the growing period occurred before 31 March.

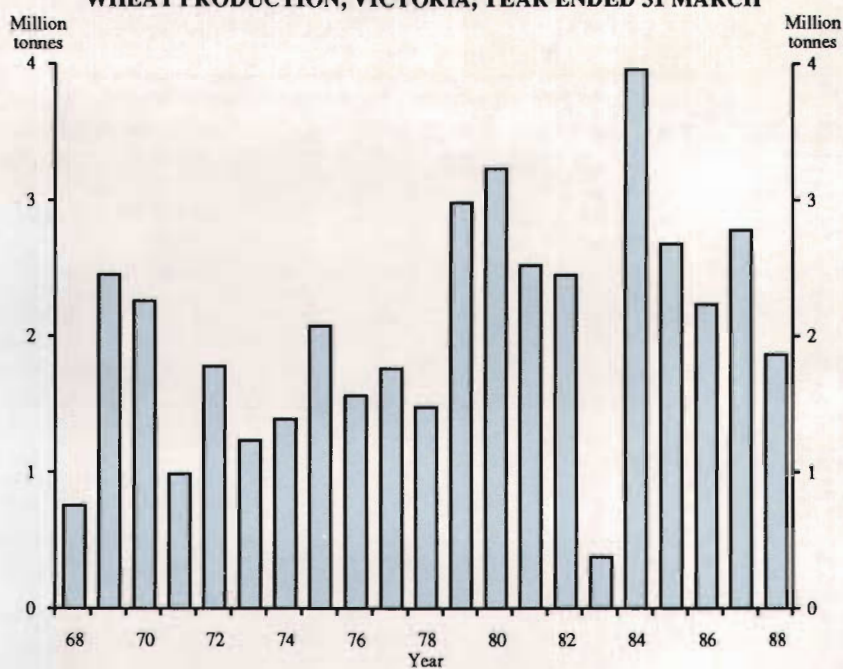
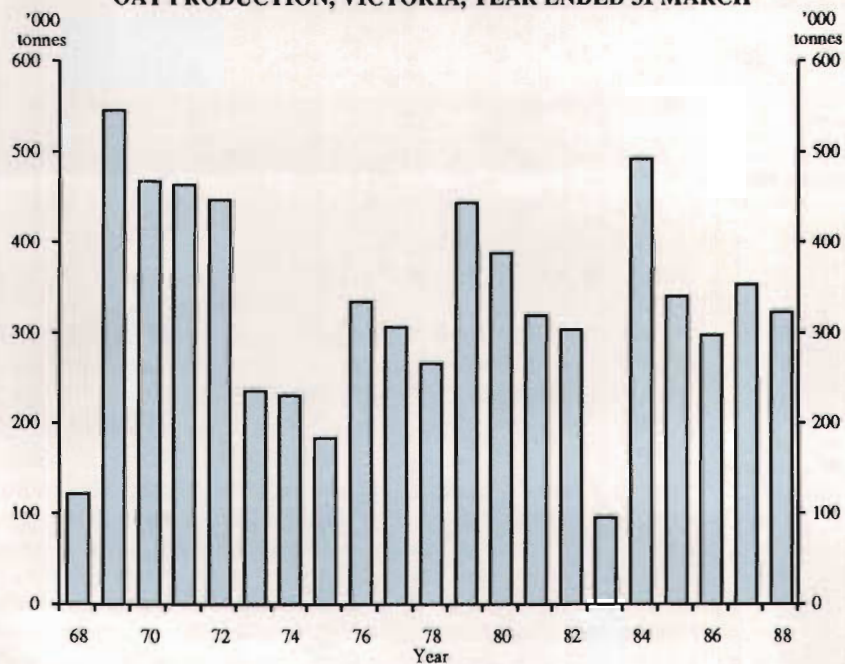
## AGRICULTURAL COMMODITIES

### Field crops

The cereals wheat, oats, and barley are the principal field crops in Victoria. These, together with hay production, green feed, and silage, represent about 80 per cent of the total area sown, although there is some variation from year to year.

### Wheat

Wheat is Victoria's largest crop in terms of area and production. The average area sown in the six-year period 1982-83 to 1987-88 was 1.4 million hectares, about 54 per cent of the State's total area under crops. Over the same period production has averaged 2.3 million tonnes, ranging from a drought reduced 0.4 million tonnes in 1982-83 to a record 4.0 million tonnes in 1983-84. In Victoria, wheat remained a significant crop in 1987-88, representing 40 per cent of total crop production. The value of wheat produced in Victoria amounted to \$410m in 1987-88.

**WHEAT PRODUCTION, VICTORIA, YEAR ENDED 31 MARCH****OAT PRODUCTION, VICTORIA, YEAR ENDED 31 MARCH**

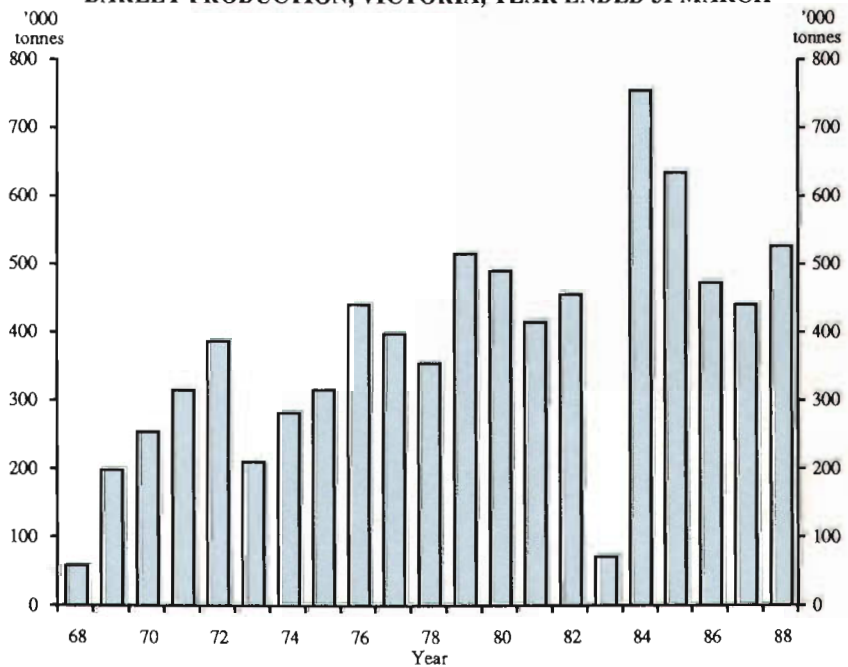
## Oats

Oats are sown for grain production, winter grazing, and hay production. The average annual area sown for grain, grazing, and hay between 1982-83 and 1987-88 was 315,900 hectares, of which about 74 per cent was harvested for grain, some of it after being grazed during the winter. Most of the oats produced in Victoria is held on farms or used as stock feed, especially during periods of seasonal shortage or in drought conditions. About 7 per cent of the crop goes to mills, but only a small fraction of this is processed for human consumption. The bulk of the 'milled' oats is destined for incorporation in proprietary stock feeds or as unkilned groats for export. The remainder of the crop is exported as grain.

## Barley

The area sown to barley for all purposes in 1987-88 was 370,700 hectares, slightly higher than the 6 year average of 370,400 hectares. While barley is grown in all statistical divisions, production has been traditionally centred in two distinct areas where high quality grain is produced. The largest production is in the south-west of the Northern Mallee and the adjacent north-western Wimmera. The second source of high quality barley grain is in an area between Melbourne, Geelong, and Bacchus Marsh in southern Victoria.

**BARLEY PRODUCTION, VICTORIA, YEAR ENDED 31 MARCH**



## Maize

The total area of maize for grain increased from 602 hectares in the drought year of 1982-83 to 1,328 hectares in 1987-88. Production rose from 2,449 tonnes in 1982-83 to 5,503 tonnes in 1987-88.



**Oil seeds**

The production of rapeseed increased from 1,000 tonnes in 1982-83 to 25,000 tonnes in 1985-86, before falling to 23,000 tonnes in 1987-88. However during the six year period, yields were the highest in 1986-87. Safflower production showed further growth in 1987-88 to reach 14,000 tonnes, while the area sown increased to 20,800 hectares.

**Grain legumes**

The legumes, predominantly field peas and lupins for grain, have shown strong growth in recent years. Since 1973, the area of lupins sown has risen from about 100 hectares to over 37,000 hectares in 1987-88.

The production of field peas decreased to 258,500 tonnes in 1987-88. This followed the record harvest of 334,800 tonnes in 1986-87. The area sown to field peas has risen from an average of around 20,000 hectares per annum in the decade to 1983-84, to over 236,000 hectares in 1987-88.

**TABLE 6.7 WHEAT FOR GRAIN, VICTORIA**

<i>Season</i>	<i>Area</i>	<i>Production</i>	<i>Average yield per hectare</i>	<i>A.S.W.(a) wheat standard</i>
	'000 ha	'000 tonnes	tonnes	kg/hl
1982-83	1,327	394	0.30	83.0
1983-84	1,614	3,971	2.46	76.7
1984-85	1,523	2,666	1.75	84.1
1985-86	1,508	2,250	1.49	80.9
1985-86 (b)	1,488	2,225	1.56	80.9
1986-87	1,364	2,795	2.05	80.2
1987-88	1,026	1,882	1.84	82.7

(a) Australian Standard White, quoted in kilograms per hectolitre.

(b) To assist in gauging the degree of change of the effect of raising the EVAO cut-off from \$2,500 or more to \$20,000 or more, data for 1985-86 have been tabulated on both bases.

**TABLE 6.8 OATS FOR GRAIN, VICTORIA**

<i>Season</i>	<i>Area</i>	<i>Production</i>	<i>Average yield per hectare</i>
	'000 ha	'000 tonnes	tonnes
1982-83	213	98	0.46
1983-84	324	494	1.52
1984-85	228	343	1.50
1985-86	212	300	1.42
1985-86 (a)	204	290	1.43
1986-87	215	356	1.66
1987-88	216	325	1.51

(a) See footnote (b) to Table 6.7.

**TABLE 6.9 BARLEY FOR GRAIN, VICTORIA**

Season	Area		Production		Average yield per hectare	
	2-row	6-row	2-row	6-row	2-row	6-row
	'000 ha		'000 tonnes		tonnes	
1982-83	269	9	71	3	0.27	0.34
1983-84	390	13	736	22	1.89	1.69
1984-85	470	15	617	20	1.31	1.34
1985-86	379	10	464	12	1.22	1.26
1985-86(a)	370	9	453	11	1.22	1.25
1986-87	259	6	433	11	1.67	1.68
1987-88	357	9	517	12	1.45	1.34

(a) See footnote (b) to Table 6.7.

**TABLE 6.10 OTHER CEREAL CROPS FOR GRAIN**

Season	Rye		Maize		Millet		Triticale	
	Area	Production	Area	Production	Area	Production	Area	Production
	'000 ha	'000 tonnes	'000 ha	'000 tonnes	'000 ha	'000 tonnes	'000 ha	'000 tonnes
1982-83	3.9	0.9	0.6	2.4	2.3	3.1	5.8	2.1
1983-84	7.1	5.3	0.9	5.0	3.3	4.8	7.6	14.2
1984-85	5.4	3.3	1.2	6.3	1.9	2.9	8.9	13.6
1985-86	10.0	5.9	1.1	5.0	1.7	2.6	11.9	18.6
1985-86 (a)	10.0	5.9	1.0	5.0	1.6	2.5	11.7	18.4
1986-87	22.8	19.0	0.6	3.2	2.8	4.5	17.6	28.5
1987-88	11.6	6.8	1.3	5.5	1.4	2.1	18.3	27.4

(a) See footnote (b) to Table 6.7.

**TABLE 6.11 SILAGE MADE, AND FARM STOCKS OF SILAGE AND HAY, BY STATISTICAL DIVISION**

(tonnes)

Statistical division	Silage made, season 1987-88	Stocks at 31 March 1988	
		Silage	Hay
Melbourne	12,411	5,365	56,498
Barwon	26,849	18,685	139,080
South Western	61,414	31,447	426,909
Central Highlands	10,698	10,297	178,385
Wimmera	5,055	3,590	191,550
Northern Mallee	5,019	4,392	92,500
Loddon-Campaspe	35,339	27,309	284,203
Goulburn	31,756	16,035	408,483
North Eastern	18,035	25,735	129,028
East Gippsland	7,827	10,280	65,474
Central Gippsland	89,462	35,379	277,661
East Central	10,599	5,025	45,526
<b>Total Victoria</b>	<b>314,464</b>	<b>193,540</b>	<b>2,295,297</b>

TABLE 6.12 HAY PRODUCTION, VICTORIA, SEASON 1987-88

<i>Variety</i>	<i>Area</i>	<i>Production</i>	<i>Average yield per hectare</i>
	hectares	tonnes	tonnes
Meadow grass and clover	309,437	1,164,637	3.76
Oaten	35,102	122,120	3.48
Lucerne	26,764	148,773	5.56
Wheaten	5,283	16,168	3.06
Barley and other	2,228	6,220	2.79
<b>Total</b>	<b>378,814</b>	<b>1,457,918</b>	<b>3.85</b>

TABLE 6.13 SELECTED OILSEEDS PRODUCTION, VICTORIA

<i>Season</i>	<i>Area (hectares)</i>	<i>Production (tonnes)</i>	<i>Average yield per hectare (tonnes)</i>
<b>LINSEED</b>			
1982-83	2,067	942	0.46
1983-84	1,973	1,510	0.77
1984-85	1,791	2,222	1.24
1985-86	3,399	5,346	1.57
1985-86 (a)	3,374	5,325	1.58
1986-87	2,618	2,926	1.12
1987-88	4,040	4,336	1.07
<b>RAPSEED</b>			
1982-83	3,822	1,227	0.32
1983-84	4,258	4,161	0.98
1984-85	8,592	8,711	1.01
1985-86	21,785	24,543	1.13
1985-86 (a)	21,670	24,434	1.13
1986-87	18,117	21,699	1.20
1987-88	21,080	22,730	1.08
<b>SAFFLOWER</b>			
1982-83	1,305	791	0.38
1983-84	3,619	2,610	0.72
1984-85	7,038	4,569	0.65
1985-86	9,432	6,264	0.66
1985-86 (a)	9,174	6,136	0.67
1986-87	10,448	7,425	0.71
1987-88	20,878	14,467	0.69
<b>SUNFLOWER</b>			
1982-83	1,170	790	0.68
1983-84	14,105	12,546	0.89
1984-85	12,355	14,407	1.17
1985-86	13,240	14,894	1.12
1985-86 (a)	12,806	14,297	1.12
1986-87	7,359	8,019	1.09
1987-88	4,161	7,234	1.74

(a) See footnote (b) to Table 6.7.



TABLE 6.14 LEGUMES FOR GRAIN, VICTORIA

Season	Lupins		Field peas		Total (a)	
	Area	Production	Area	Production	Area	Production
	'000 ha	'000 tonnes	'000 ha	'000 tonnes	'000 ha	'000 tonnes
1982-83	21.0	4.4	64.7	3.2	85.8	7.7
1983-84	16.2	15.8	45.6	61.4	62.0	77.5
1984-85	20.1	20.7	84.8	86.3	105.7	107.7
1985-86	24.2	30.4	136.7	137.0	161.9	168.6
1985-86 (b)	23.5	29.7	135.9	136.5	160.4	167.3
1986-87	27.6	37.2	197.8	334.8	232.5	384.7
1987-88	37.2	35.2	236.8	258.5	289.8	311.2

(a) Includes chick peas, dried edible beans, etc.

(b) See footnote (b) to Table 6.7.

TABLE 6.15 AREA, PRODUCTION, AND YIELD OF LEGUMES FOR GRAIN, BY STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1988

Statistical division	Lupins for grain			Field peas for grain			Total legumes for grain (a)		
	Area	Prod'n	Yield	Area	Prod'n	Yield	Area	Prod'n	Yield
	'000 ha	'000 tonnes	tonnes /ha	'000 ha	'000 tonnes	tonnes /ha	'000 ha	'000 tonnes	tonnes /ha
Melbourne	0.4	0.2	0.48	0.1	0.1	1.55	0.5	0.3	0.68
Barwon	1.3	1.3	1.02	1.4	2.4	1.65	2.7	3.7	1.35
South Western	1.3	1.7	1.36	0.5	0.5	1.07	1.8	2.3	1.28
Central Highlands	0.8	1.0	1.21	0.6	0.7	1.30	1.4	1.7	1.24
Wimmera	9.1	7.0	0.76	136.5	150.1	1.10	158.1	170.7	1.08
Northern Mallee	3.1	1.9	0.62	64.1	65.8	1.03	68.4	68.9	1.01
Loddon-Campaspe	4.1	4.2	1.03	29.5	34.1	1.15	35.1	40.5	1.15
Goulburn	12.4	13.0	1.05	3.9	4.5	1.15	16.4	17.6	1.07
North Eastern	4.7	4.9	1.05	0.3	0.3	0.88	5.0	5.2	1.04
East Gippsland	0.1	-	0.49	-	-	-	0.3	0.3	1.13
Central Gippsland	-	-	0.82	-	-	2.10	-	-	1.02
<b>Total Victoria</b>	<b>37.2</b>	<b>35.2</b>	<b>0.95</b>	<b>236.8</b>	<b>258.5</b>	<b>1.09</b>	<b>289.8</b>	<b>311.2</b>	<b>1.07</b>

(a) Includes chick peas, dried edible beans, etc.

## FRUIT

## Area planted

In Victoria in 1987-88, the area planted with fruit, nuts, and berries was 20,194 hectares, and the area of vineyards was 18,763 hectares. Although this total of 38,957 hectares is only about 1.8 per cent of the total area under crops in Victoria, fruit and vine growing make a valuable contribution to the economy of the State.

## Tree fruit

In Victoria, the main fruit growing areas are in the Goulburn, Northern Mallee, Melbourne, and East Central Statistical Divisions. There are smaller areas in the North Eastern Statistical Division and also in the Gippsland, Bacchus Marsh, and Ballarat areas.

**Small fruit**

Climatic requirements have restricted the commercial production of strawberries, and cane and bramble fruits in particular, to the cooler southern regions of Victoria, and most of the fruit is grown in the hills of the Eastern Melbourne Metropolitan and Mornington Peninsula areas which are relatively close to the Melbourne market. During the last few years fruit growers in other parts of the State interested in diversification have taken up the production of strawberries, raspberries and kiwi fruit, particularly for the fresh fruit market.

**Nuts**

A wide range of nuts can be grown in Victoria. Examples are almonds, walnuts, chestnuts, hazelnuts, pecans, and pistachios. In the past, only a few of these trees have been grown in commercial plantings. Almonds were mainly planted in the northern area; walnuts and chestnuts in situations with deep soil in the north-east, the Dandenongs, and Gippsland; and hazelnuts on shallower soils in the north-east and the Dandenongs. In 1987-88, production of nuts was 1,762 tonnes.

**Grapes**

In Victoria, most wine grapes are grown under irrigation in the Northern Mallee Statistical Division, and in the Goulburn Valley and the Murray Valley areas. Wine grape varieties are also being grown in the traditional non-irrigated areas in the north-east (Rutherglen) and in the west (Great Western) of the State. With the increasing interest in wine grapes over recent years, many vineyards of varying sizes have been established in other suitable areas throughout the State.

In 1987-88, Victoria had 17,591 hectares of bearing vines which produced 78,407 tonnes for winemaking and 250,789 tonnes for drying and table grapes. There were 1,172 hectares of non-bearing vines.

Table grape production in recent years has increased considerably, with sales of Victorian table grapes on local and export markets increasing to 30,000 tonnes over the past five years.

**OTHER INTENSIVE CROPS****Vegetables**

Most of the fresh vegetable production in Victoria is located adjacent to the Melbourne urban area at Werribee and Keilor to the west, and Narre Warren, Clyde, and Keysborough in the sandy south-eastern area.

Potatoes are mainly grown in the Central Highlands around Ballarat, at Thorpdale in the Gippsland Hills, and at Kooweerup, with additional areas around Warrnambool, the Bellarine Peninsula, Colac, the Otway Ranges, and metropolitan market gardens. In 1987-88, the gross value of potato production was \$105m or 7 per cent of the total value of production of crops.

The tomato industry in Victoria is predominantly processing-orientated with most of the crop produced in the irrigated areas between Shepparton and Rochester in northern Victoria.

**Tobacco**

The tobacco industry in Victoria is centred at Myrtleford in the north-east with production areas in the adjacent valleys of the Buffalo, Ovens, Upper King, and Kiewa Rivers. The 193 tobacco growers in Victoria produced 5,102 tonnes of cured leaf in 1987-88.

**Hops**

In Victoria, production of hops is confined to the alluvial soils in the valleys of the Ovens and King Rivers where good quality irrigation water is available to supplement the natural summer rainfall. The hop is a summer growing perennial plant, propagated from root cuttings, that develops long vines supported on a post and wire trellis system about six metres above the ground surface. In 1987-88 there were 24 hop gardens in Victoria with a total area of 382 hectares producing 695 tonnes (dried weight) of hops for both domestic brewers and export markets.

**Plant nurseries**

In 1987-88, there were 396 nurseries in Victoria with a total production area of 2,656 hectares (including establishments growing cultivated turf).

**TABLE 6.16 NUMBER OF SELECTED BEARING AND NON BEARING POME AND STONE FRUIT TREES BY STATISTICAL DIVISION, AT 31 MARCH 1988**  
(‘000)

<i>Statistical division</i>	<i>Apples</i>	<i>Pears</i>	<i>Peaches</i>	<i>Apricots</i>	<i>Nectarines</i>
Melbourne	535	62	98	2	36
Barwon	1	-	1	1	-
South Western	11	-	1	1	-
Central Highlands	115	17	6	6	8
Wimmera	2	1	3	1	-
Northern Mallee	4	1	41	62	85
Loddon-Campaspe	157	23	-	-	-
Goulburn	438	1,198	615	158	40
North Eastern	150	1	5	1	1
East Gippsland	3	-	-	-	-
Central Gippsland	49	4	4	-	3
East Central	143	7	10	-	8
<b>Total Victoria</b>	<b>1,610</b>	<b>1,314</b>	<b>785</b>	<b>232</b>	<b>182</b>

**TABLE 6.17 NUMBER OF SELECTED BEARING AND NOT BEARING CITRUS TREES BY STATISTICAL DIVISION, AT 31 MARCH 1988**  
(‘000)

<i>Statistical division</i>	<i>Oranges</i>	<i>Lemons and limes</i>	<i>Mandarins</i>
Melbourne	-	9	-
Barwon	-	-	-
South Western	-	-	-
Central Highlands	-	-	-
Wimmera	-	-	-
Northern Mallee	921	45	79
Loddon-Campaspe	-	-	-
Goulburn	84	22	1
North Eastern	12	4	-
East Gippsland	-	-	-
Central Gippsland	-	-	-
East Central	-	2	-
<b>Total Victoria</b>	<b>1,016</b>	<b>83</b>	<b>80</b>



**TABLE 6.18 ORCHARD FRUIT PRODUCTION, VICTORIA**  
(tonnes)

Type of fruit	Year ended 31 March -						
	1983	1984	1985	1986	1986(a)	1987	1988
Pears	98,712	97,150	114,087	120,933	120,638	123,859	138,814
Apples	77,526	64,379	92,379	85,404	84,902	99,801	83,451
Peaches	34,702	23,824	32,232	31,691	31,355	31,491	38,061
Apricots	7,302	5,857	5,936	7,682	7,297	6,365	8,567
Cherries	1,705	1,130	1,170	1,198	1,121	1,193	1,092
Plums and prunes	2,810	2,574	2,702	2,877	2,664	2,865	3,150
Olives	226	938	810	690	690	43	111
Nectarines	1,816	1,544	1,696	1,975	1,914	2,074	2,536
Quinces	(b)	111	48	41	36	33	23
Figs	(b)	1	4	3	2	2	5
Oranges -							
Valencias	32,936	31,192	37,695	40,008	39,303	47,132	40,680
Navels	17,117	16,051	19,470	20,481	20,145	20,572	22,094
Other	468	314	194	255	255	324	380
Lemons and limes	5,349	4,134	8,098	8,466	8,257	7,454	6,363
Grapefruit	4,913	5,071	5,237	6,837	6,772	6,033	6,801
Mandarins	2,509	2,933	3,278	2,652	2,571	3,080	2,783

(a) See footnote (b) to Table 6.7.

(b) Not collected.

**TABLE 6.19 SMALL FRUIT PRODUCTION, VICTORIA**  
(kilograms)

Type of fruit	Year ended 31 March -						
	1983	1984	1985	1986	1986(a)	1987	1988
Strawberries	1,055,270	1,443,800	1,481,776	1,475,457	1,430,480	1,619,267	1,747,881
Raspberries	204,430	154,622	255,031	215,712	207,053	312,030	320,055
Kiwi Fruit	(b)	80,600	103,304	239,193	237,643	567,504	860,870
Blueberries	(b)	(a)	12,988	30,471	16,489	21,374	30,893
Gooseberries	(b)	2,500	3,324	3,358	288	400	650
Loganberries	(b)	6,782	5,280	6,680	6,680	3,585	9,128
Other berries	(b)	(a)	50,989	56,571	52,361	135,651	100,111
Passionfruit	(b)	(a)	800	900	800	213	-

(a) See footnote (b) to Table 6.7.

(b) Not collected.

**TABLE 6.20 NUT PRODUCTION, VICTORIA**  
(kilograms)

Type of fruit	Year ended 31 March -						
	1983	1984	1985	1986	1986(a)	1987	1988
Walnuts	(b)	71,550	71,626	78,858	74,224	68,296	47,858
Chestnuts	(b)	35,796	46,981	49,981	27,769	28,525	52,619
Almonds	603,900	621,747	597,157	871,721	864,136	1,161,347	1,655,376
Hazelnuts	(b)	15,005	34,437	22,580	1,438	3,015	20

(a) See footnote (b) to Table 6.7.

(b) Not collected.

TABLE 6.21 VITICULTURE, AREA AND PRODUCTION, VICTORIA

Season	Area (hectares)		Production (tonnes) for -	
	Bearing	Non-bearing	Wine making	Drying and table (a)
1982-83	18,976	1,365	64,900	254,117
1983-84	18,806	1,321	82,973	259,160
1984-85	19,132	1,352	96,807	255,631
1985-86	18,720	1,305	68,761	290,652
1985-86 (b)	18,412	1,240	68,086	288,376
1986-87	17,827	1,127	67,133	221,482
1987-88	17,591	1,172	78,407	250,789

(a) Production for drying is estimated as fresh weight equivalent of dried weight.

(b) See footnote (b) to Table 6.7.

TABLE 6.22 VEGETABLES FOR HUMAN CONSUMPTION, VICTORIA

Type of vegetable	Area sown (hectares)				Production (tonnes)			
	1985-86	1985-86 (a)	1986-87	1987-88	1985-86	1985-86 (a)	1986-87	1987-88
Potatoes	14,192	14,078	13,195	14,458	366,971	365,472	364,319	398,175
Onions	1,522	510	467	421	12,274	12,213	12,006	10,020
Carrots	980	964	1,142	1,097	31,041	30,776	36,233	33,449
Parsnips	179	177	1764.9	130	4,925	4,912	4,082	5,025
Beetroot	23	22	22	31	320	312	405	335
Tomatoes	2,705	2,682	2,935	2,884	99,857	99,473	115,007	125,111
French beans	481	457	6,493	712	2,329	2,280	3,201	3,880
Green peas -								
Market (b)	211	173	178	135	365	332	245	193
Factory (c)	1,007	996	1,131	1,547	1,838	1,805	3,758	5,584
Cabbages	728	720	821	723	25,060	24,828	28,639	28,055
Cauliflowers	1,070	1,064	1,095	1,009	39,581	39,507	30,198	28,626
Lettuce	1,269	1,262	1,226	1,259	27,600	27,496	30,305	32,460
Pumpkins	545	521	484	386	8,863	8,625	7,602	5651

(a) See footnote (b) to Table 6.7.

(b) Sold in pod.

(c) Shelled weight.

TABLE 6.23 TOBACCO PRODUCTION, VICTORIA

Season	Area	Production	Average yield per hectare
	hectares	tonnes (dry)	tonnes (dry)
1982-83	2,803	4,928	1.76
1983-84	2,823	5,856	2.07
1984-85	2,146	4,755	2.22
1985-86	1,652	3,711	2.25
1985-86 (a)	1,649	3,708	2.25
1986-87	1,819	3,975	2.19
1987-88	2,041	5,102	2.50

(a) See footnote (b) to Table 6.7.

TABLE 6.24 HOP PRODUCTION, VICTORIA

Season	Area	Production	Average yield per hectare
	hectares	tonnes (a)	tonnes
1982-83	499	491	0.98
1983-84	456	687	1.51
1984-85	420	554	1.32
1985-86	471	643	1.37
1985-86 (b)	467	640	1.37
1986-87	336	579	1.72
1987-88	382	695	1.82

(a) Dried weight.

(b) See footnote (b) to Table 6.7.

LIVESTOCK AND LIVESTOCK PRODUCTS

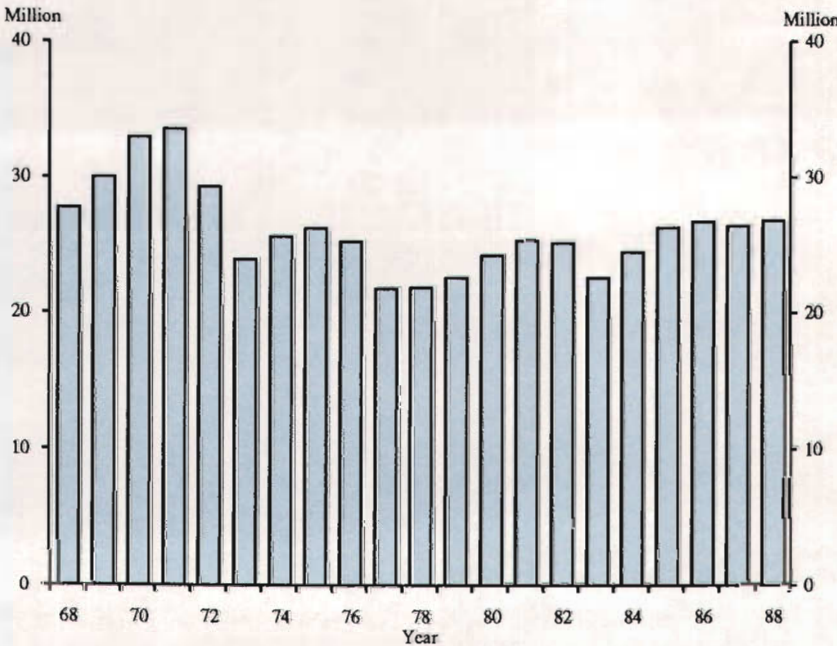
Sheep

At 31 March 1988, the Victorian sheep population was 27.0 million head, well below the 1971 peak of 33.8 million head. Almost 60 per cent of the State's sheep flock is located in the South Western, Central Highlands, and Wimmera Statistical Divisions.

Sheep breeds

Sheep can be divided broadly into 'wool' and 'meat' breeds. The distinction is necessarily an arbitrary one, since wool is an important source of income from ewes kept for prime lamb production, while mutton is produced mainly from surplus or aged sheep from 'woolgrowing' flocks.

SHEEP NUMBERS, VICTORIA, AT 31 MARCH





**Lambing**

The lambing performance of the Victorian flock has fluctuated according to seasonal conditions around a six year average of 86.1 lambs marked for each 100 ewes mated.

Victoria's largest lambing season occurred in 1970-71, when 12.7 million lambs were marked from 14.8 million ewes mated (86 per cent), but in 1983-84 reduced matings led to the smallest lambing season (8.4 million) since 1978-79. This increased sharply in 1984-85 when 10.4 million lambs were marked from 11.7 million ewes mated (89 per cent). Since then there has been a slight decline, with 9.4 million lambs marked from 10.7 million sheep mated (88 per cent) in 1987-88.

**Mutton and lamb production**

Mutton, the meat from adult sheep, is mainly produced from surplus sheep from the wool industry so that production patterns correspond closely to expansions and contractions in that industry. In 1987-88 mutton production was 73,000 tonnes, well down on the 1971-72 peak of 247,000 tonnes.

Prime lamb producers are found throughout the State. However, early to mid-season producers are distributed in a broad band across northern Victoria, including some irrigated areas. In addition, a considerable number of early lambs are brought from southern New South Wales for slaughter in Victoria. Mid to late-season producers are located mainly in the South Western, Central Highlands, Central Gippsland, and parts of the North Eastern Statistical Divisions of the State. In 1987-88, 126,000 tonnes of lamb were produced.

**Meat cattle**

The Victorian environment is very favorable for beef production with cattle able to graze on pasture throughout the year.

Most of the Victorian breeding herd are located in the South Western, Goulburn, North Eastern, East Gippsland, and Central Gippsland Statistical Divisions. A significant proportion of Victorian beef and veal production was exported during 1987-88, the main markets being the USA, Japan, Papua New Guinea, and Taiwan. During 1987-88, total Australian beef and veal exports decreased, as did exports to the main markets.

**Milk cattle**

Dairy farming in Victoria is largely confined to the higher rainfall areas of Gippsland, the Western District, and the northern irrigation areas. With minor fluctuations, milk cattle numbers have been gradually declining from the 1973 peak of 1,977,000. There were 1,436,000 milk cattle at 31 March 1988.

**Pigs**

Approximately two-thirds of the pig meat consumed in Victoria is produced in this State. The remaining one-third is acquired from other States.

The number of commercial establishments with pigs declined from 1,858 in 1982-83 to 1,212 in 1987-88. During the same period the average herd size increased from 208 to 361 pigs. This trend toward fewer but larger units is expected to continue, with the bulk of the industry becoming increasingly capital-intensive and established in grain growing areas. The number of pigs in Victoria at 31 March 1988 was 437,161.

**Poultry**

The trend in the Victorian egg industry has been towards larger specialised farms, with egg producers, hatcheries, and pullet growers using modern poultry housing, equipment, and labour saving machinery.

The main areas of commercial egg production in Victoria are centred on the outskirts of the Melbourne metropolitan area and in the Bendigo district, together with a large centre around Geelong, and substantial flocks in Ballarat, the Wimmera, Goulburn Valley, the north-east, and the La Trobe Valley.

Farms consisting of one person or one family usually manage 5,000 to 15,000 layers. There are, however, many larger farms employing labour with up to 40,000 layers, and a few with much bigger establishments.

In 1987-88, there were 71.8 million chickens, hens, stags, and ducks and drakes slaughtered for human consumption. The total dressed weight was 102,260 tonnes.

Most broiler farms range in capacity from 30,000 to 100,000 broilers, and with the present average of 5.5 batches of broiler chickens a year, these farms may produce from 165,000 to 550,000 broilers a year.

The main broiler production centres are located on the Mornington Peninsula, in areas south-east and east of Melbourne, and in the Geelong area - near the processing works and the main centres of consumption. Most of Victoria's production is consumed locally, with very little being exported.

## Apiculture

Honey production in Victoria was 3,824 tonnes in 1987-88. The bulk of the honey produced is sold to large processors who clarify and pack the honey. About 50 per cent of the annual production is exported, chiefly to the United Kingdom.

**TABLE 6.25 SELECTED LIVESTOCK NUMBERS, (a), VICTORIA**  
(<sup>'000</sup>)

Season	Cattle			Sheep	Pigs
	Dairy	Beef	Total		
1982-83	1,488	1,921	3,408	22,748	387
1983-84	1,535	1,952	3,487	24,632	404
1984-85	1,559	2,017	3,576	26,471	410
1985-86	1,534	2,187	3,720	26,895	432
1985-86 (a)	1,513	1,870	3,383	25,716	427
1986-87	1,464	2,014	3,478	26,586	432
1987-88	1,436	2,038	3,474	26,997	437

(a) See footnote (b) to Table 6.7.

**TABLE 6.26 LIVESTOCK SLAUGHTERED, VICTORIA**  
(<sup>'000</sup>)

Types of livestock	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Sheep	3,651	2,061	3,301	3,863	3,857	3,628
Lambs	6,390	6,207	6,777	7,987	6,634	7,162
Cattle and calves	2,668	1,992	1,971	2,045	2,081	2,054
Pigs	1,167	1,237	1,298	1,020	849	938

**TABLE 6.27 SHEEP AND LAMBS BY STATISTICAL DIVISION, AT 31 MARCH 1988**  
(<sup>'000</sup>)

<i>Statistical division</i>	<i>Rams</i>	<i>Ewes</i>	<i>Wethers</i>	<i>Lambs</i>	<i>Total</i>
Melbourne	2	88	90	47	227
Barwon	20	748	356	342	1,466
South Western	86	3,840	1,986	1,932	7,844
Central Highlands	33	1,694	1,320	863	3,910
Wimmera	38	1,786	1,403	822	4,048
Northern Mallee	14	790	302	340	1,446
Loddon-Campaspe	30	1,413	1,087	673	3,203
Goulburn	30	1,316	690	496	2,531
North Eastern	8	324	158	132	623
East Gippsland	7	408	272	191	879
Central Gippsland	10	414	145	171	740
East Central	1	43	1	36	81
<b>Total Victoria</b>	<b>279</b>	<b>12,865</b>	<b>7,808</b>	<b>6,045</b>	<b>26,997</b>

**TABLE 6.28 LAMBING, VICTORIA**

<i>Season</i>	<i>Ewes mated</i>	<i>Lambs marked</i>	<i>Percentage of lambs marked to ewes mated</i>
	<sup>'000</sup>	<sup>'000</sup>	per cent
1982-83	11,018	9,246	84
1983-84	10,112	8,362	83
1984-85	11,744	10,446	89
1985-86	11,269	9,746	86
1985-86 (a)	10,801	9,344	86
1986-87	10,479	9,001	86
1987-88	10,662	9,399	88

(a) See footnote (b) to Table 6.7.

**TABLE 6.29 SHEEP SHORN AND WOOL CLIPPED, VICTORIA**

<i>Season</i>	<i>Number Shorn</i>		<i>Wool clipped (including crutchings)</i>		<i>Average</i>	
	<i>Sheep</i>	<i>Lambs</i>	<i>Sheep</i>	<i>Lambs</i>	<i>Per sheep</i>	<i>Per lamb</i>
	<sup>'000</sup>	<sup>'000</sup>	tonnes	tonnes	kg	kg
1982-83	22,390	5,920	101,556	8,403	4.5	1.4
1983-84	22,977	5,277	110,715	8,949	4.8	1.7
1984-85	25,784	8,306	129,728	12,744	5.0	1.5
1985-86	27,430	7,548	129,641	11,200	4.7	1.5
1985-86 (a) (b)	23,189	6,381	109,597	9,469	5.0	1.6
1986-87 (a) (b)	22,978	5,942	115,684	9,281	5.0	1.6
1987-88 (a) (b)	23,545	6,365	118,620	9,597	5.0	1.6

(a) Calculated directly from Census data collected at 31 March. Previous data were 'industry best estimates' compiled at 30 June - see publication 7211.0 for details.

(b) See footnote (b) to Table 6.7.



**TABLE 6.30 SHEEP SHORN AND WOOL CLIPPED BY STATISTICAL DIVISION,  
SEASON 1987-88**

Statistical division	Number Shorn		Wool clipped (including crutchings)		Average	
	Sheep	Lambs	Sheep	Lambs	Per sheep	Per lamb
	'000	'000	tonnes	tonnes	kg	kg
Melbourne	187	48	962	69	5.0	1.4
Barwon	1,282	370	6,109	536	4.8	1.4
South Western	7,097	2,084	33,853	3,015	4.8	1.4
Central Highlands	3,424	801	16,738	1,240	4.9	1.5
Wimmera	3,459	857	19,496	1,373	5.6	1.6
Northern Mallee	1,084	333	6,135	561	5.7	1.7
Loddon-Campaspe	2,771	747	15,217	1,151	5.0	1.5
Goulburn	2,245	583	10,687	861	4.0	1.5
North Eastern	540	145	2,420	202	4.0	1.4
East Gippsland	794	174	3,890	234	4.0	1.3
Central Gippsland	615	205	2,905	325	4.0	1.6
East Central	46	18	208	29	4.0	1.6
<b>Total Victoria</b>	<b>23,545</b>	<b>6,365</b>	<b>118,620</b>	<b>9,597</b>	<b>5.0</b>	<b>1.0</b>

**TABLE 6.31 TOTAL WOOL PRODUCTION, VICTORIA**

Season	Clip	Stripped from or exported on skins (greasy)	Total quantity (greasy)
	tonnes	tonnes	tonnes
1982-83	109,959	22,486	132,445
1983-84	119,664	22,409	142,074
1984-85	142,472	24,816	167,288
1985-86	140,841	30,067	170,908
1985-86 (a)	135,102	n.a.	n.a.
1986-87	124,965	133,728	1158,693
1987-88	128,217	32,034	160,251

(a) See footnote (b) to Table 6.7.

**TABLE 6.32 DISTRIBUTION OF MEAT CATTLE BY STATISTICAL DIVISION  
AT 31 MARCH 1988  
( '000)**

Statistical division	Bulls for service		Cows and heifers	Calves under 1 year	Other (a)	Total
	1 year and over	Under 1 year				
Melbourne	2	1	54	32	14	104
Barwon	2	1	47	25	16	92
South Western	12	4	234	103	73	426
Central Highlands	2	1	43	21	12	78
Wimmera	1	-	18	11	5	36
Northern Mallee	1	-	25	18	7	51
Loddon-Campaspe	3	1	58	54	22	139
Goulburn	7	2	139	80	39	266
North Eastern	5	1	147	77	51	282
East Gippsland	4	1	88	44	13	150
Central Gippsland	7	2	153	94	88	344
East Central	2	-	32	19	16	69
<b>Total Victoria</b>	<b>49</b>	<b>15</b>	<b>1,039</b>	<b>578</b>	<b>357</b>	<b>2,038</b>

(a) Steers and bullocks, 1 year and over.

MEAT CATTLE NUMBERS, VICTORIA, AT 31 MARCH

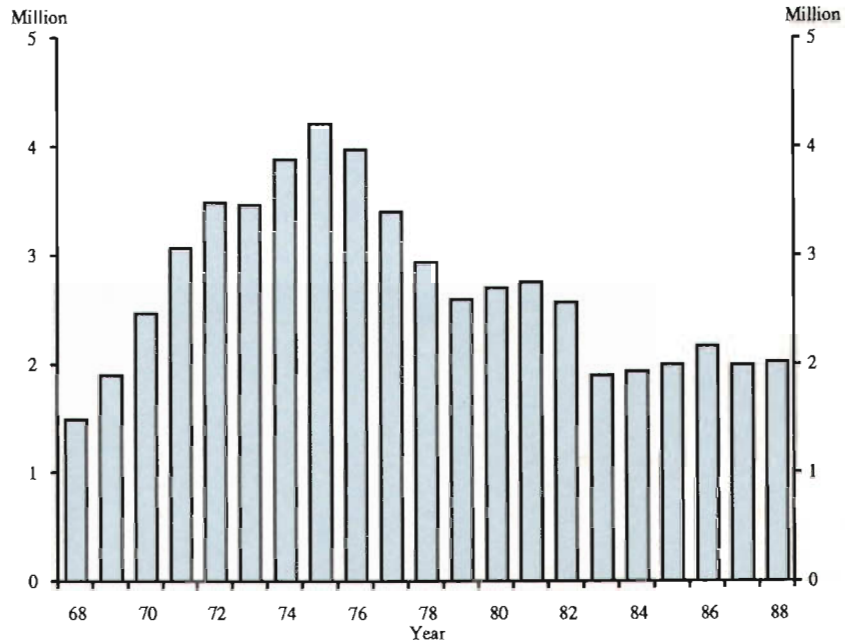


TABLE 6.33 DISTRIBUTION OF MILK CATTLE BY STATISTICAL DIVISION  
AT 31 MARCH 1988  
(<sup>'000</sup>)

Statistical division	Bulls for service		Cows and heifers for milk and cream				House cows and heifers	Total
	1 year and over	Under 1 year	Cows in milk and dry	Heifers				
				1 year and over	Under 1 year			
Melbourne	-	-	18	5	4	-	27	
Barwon	1	-	69	17	16	-	104	
South Western	4	1	199	48	43	1	297	
Central Highlands	-	-	6	2	1	-	10	
Wimmera	-	-	1	1	-	1	3	
Northern Mallee	-	-	22	5	6	-	34	
Loddon-Campaspe	1	-	88	22	21	-	134	
Goulburn	3	1	203	48	47	-	304	
North Eastern	1	-	41	10	8	-	61	
East Gippsland	1	-	48	12	11	-	72	
Central Gippsland	4	1	234	56	51	-	346	
East Central	-	-	29	7	6	-	43	
Total Victoria	17	5	960	233	216	4	1,436	

TABLE 6.34 MILK PRODUCTION, VICTORIA

<i>Year ended 30 June -</i>	<i>Million litres</i>
1983	3,164
1984	3,425
1985	3,540
1986	3,575
1987	3,692
1988	3,649

TABLE 6.35 PIGS AND PIG KEEPERS BY STATISTICAL DIVISION  
AT 31 MARCH 1988

<i>Statistical division</i>	<i>Boars</i>	<i>Breeding sows</i>	<i>All other</i>	<i>Total pigs</i>	<i>Pig keepers</i>
Melbourne	218	2,664	20,841	23,723	26
Barwon	91	1,037	7,769	8,897	28
South Western	167	1,994	18,307	20,468	102
Central Highlands	132	1,874	16,709	18,715	41
Wimmera	366	4,773	34,686	39,825	214
Northern Mallee	305	3,494	26,767	30,566	189
Loddon-Campaspe	1,233	19,248	168,159	188,640	243
Goulburn	709	9,410	66,703	76,822	190
North Eastern	171	2,018	15,009	17,198	83
East Gippsland	39	324	1,919	2,282	26
Central Gippsland	95	1,453	7,511	9,059	63
East Central	13	151	802	966	7
<b>Total Victoria</b>	<b>3,539</b>	<b>48,440</b>	<b>385,182</b>	<b>437,161</b>	<b>1,212</b>

TABLE 6.36 POULTRY SLAUGHTERED FOR HUMAN  
CONSUMPTION, VICTORIA  
(<sup>'000</sup>)

<i>Year ended 30 June-</i>	<i>Chickens (i.e. broilers, fryers, or roasters)</i>	<i>Hens and stags</i>	<i>Ducks and drakes</i>
1983	42,315	2,330	389
1984	46,061	2,308	444
1985	55,995	2,264	452
1986	61,644	2,614	616
1987	62,466	2,441	637
1988	68,325	2,829	637

TABLE 6.37 DRESSED WEIGHT OF POULTRY SLAUGHTERED,  
FRESH AND FROZEN (a) (b), VICTORIA  
(<sup>'000</sup> kg)

<i>Year ended 30 June-</i>	<i>Chickens (i.e. broilers, fryers, or roasters)</i>	<i>Hens and stags</i>	<i>Ducks and drakes</i>
1983	51,960	4,051	634
1984	61,503	4,249	750
1985	75,086	3,337	865
1986	84,434	4,029	1,132
1987	84,646	3,959	1,202
1988	96,279	4,655	1,326

- (a) Dressed weight of whole birds, pieces, and giblets intended for sale as reported by producers.  
 (b) Fresh: sold immediately after slaughter or chilled for sale soon after. Frozen: frozen hard for storage of indefinite duration.



**TABLE 6.38 EGGS - TOTAL RECORDED PRODUCTION, VICTORIA**

<i>Year</i>	<i>Dozens</i>
1982-83	52,346,946
1983-84	49,960,839
1984-85	49,416,391
1985-86	50,114,360
1986-87	49,369,871
1987-88	50,566,000

Source: Victorian Egg Marketing Board

**TABLE 6.39 BEEHIVES, HONEY, AND BEESWAX, VICTORIA**

<i>Year ended 30 June-</i>	<i>Beekkeepers</i>	<i>Production</i>		
		<i>Hives</i>	<i>Honey</i>	<i>Beeswax</i>
	number	number	tonnes	tonnes
1983	406	89,796	2,705	48
1984	381	85,596	3,603	65
1985	436	95,130	4,224	89
1986	456	101,002	4,210	81
1986 (a)	107	58,116	3,022	58
1987	111	58,948	3,107	52
1988	145	59,377	3,824	64

(a) See footnote (b) to Table 6.7.

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*Principal Agricultural Commodities, Victoria, Preliminary* (7111.2)  
*Selected Agricultural Commodities, Australia, Preliminary* (7112.0)  
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*Sheep Numbers, Shearing and Wool Production Forecast, Australia, Preliminary* (7211.0)  
*Livestock Products, Australia* (7215.0)  
*Livestock and Livestock Products, Victoria* (7221.2)  
*Crops and Pastures, Victoria* (7321.2)  
*Fruit, Victoria* (7322.2)  
*Apples and Pears in Cool Stores, Victoria* (7323.2)  
*Agricultural Land Use and Selected Inputs, Victoria* (7411.2)  
*Value of Agricultural Commodities Produced, Victoria* (7501.2)  
*Value of Selected Agricultural Commodities Produced, Australia, Preliminary* (7502.0)  
*Value of Agricultural Commodities Produced, Australia* (7503.0)

### Non-ABS source

*Victorian Egg Marketing Board*

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# MANUFACTURING, MINING, AND ENERGY

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## MANUFACTURING

### Overview

Manufacturing remains the most significant industry in terms of its contribution to the State's Gross Domestic Product (GDP) at factor cost. However, its share of GDP has been steadily declining, dropping to 21.4 per cent in 1986-87 from 24.0 per cent 1981-82.

Up to 1986-87 a similar pattern occurred at the national level with manufacturing's share of GDP at factor cost dropping from 19.6 per cent to 17.3 per cent. This decline was arrested in 1987-88 when its proportion increased by 0.3 per cent over the previous year.

### Victoria compared with Australia

In 1987-88, Victorian manufacturing industry contributed 50 per cent or more of the Australian manufacturing industry's turnover in the Transport equipment (53 per cent), Clothing and footwear (52 per cent), and Textiles (50 per cent) ASIC subdivisions.

Victorian based establishments accounted for 54.0 per cent of employment within the Australian Textiles, and Clothing and footwear manufacturing industries during 1987-88.

Victorian manufacturing industry invested \$2,595m in private new fixed capital expenditure during 1987-88. This compared with \$2,447m, in 1986-87.

### Number of establishments

Over the period 1981-82 to 1987-88, the number of Victorian manufacturing establishments with four or more persons employed increased from 8,916 to 9,858 (10.6 per cent).

However, the increase applied predominantly to establishments in the employment size range of 4 to 100 persons, where the number of establishments increased by 22.4 per cent. The largest increase in the number of manufacturing establishments occurred between 1986-87 (9,109 establishments operating) and 1987-88 (9,858 operating). However, between 1981-82 and 1982-83, the number of establishments operating fell from 8,916 to 8,392 (a decrease of 6.2 per cent).

### Employment

During May 1988, manufacturing employment comprised 18.6 per cent of the Victorian labour force, compared with 22.4 per cent in May 1981.

Between 1981-82 and 1987-88 employment in the Victorian manufacturing sector decreased from 388,872 persons to 367,603, a fall of 5.8 per cent. The year to year movements have fluctuated considerably, ranging from a decrease of 10.1 per cent in 1982-83 to an increase of 2.9 per cent in 1987-88.

On an industry sub-division basis, the greatest decreases in employment between 1981-82 and 1987-88 occurred in the Transport equipment sub-

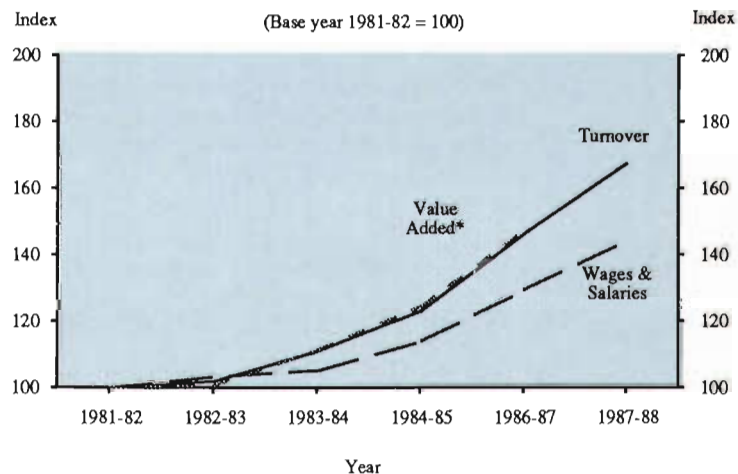
division (down 9,822 or 16.3 per cent), Other machinery and equipment (down 7,074 or 13.5 per cent) and Clothing and footwear (down 3,391 or 7.8 per cent). Conversely the Paper, paper products, printing and publishing sub-division recorded an increase of 3,122 persons (9.4 per cent) employed during the period under review.

### Melbourne Statistical Division (MSD)

The number of manufacturing establishments with four or more employees in the MSD declined from 7,174 in 1981-82 to 6,711 in 1983-84, while manufacturing employment fell from 327,099 persons to 290,624 persons during the same period. These represented declines of 6.2 per cent and 11.2 per cent, respectively. The number of establishments had risen to 7,949 and employment had increased to 297,736 persons by 30 June 1988.

In 1987-88, 81.0 per cent of persons employed by the Victorian manufacturing industry worked for establishments located within the Melbourne Statistical Division.

### MANUFACTURING ESTABLISHMENTS: INDEXES OF SELECTED FINANCIAL VARIABLES, 1981-82 TO 1987-88



\* not collected 1987-88

### Turnover and value added

Turnover of Victorian manufacturing establishments at current prices increased by 67.5 per cent between 1981-82 and 1987-88. Value added increased by 47.4 per cent between 1981-82 and 1986-87 in current price terms. Data for value added by Victorian manufacturing establishments were not collected for 1987-88.

Within individual industry subdivisions, the greatest percentage increase in turnover at current prices was 97.5 per cent in the Paper, paper products, printing and publishing sub-division, followed by the Basic metal products sub-division with an increase of 91.3 per cent. In constant price terms, the



Paper, paper products, printing and publishing sub-division reported the greatest increase in turnover at 27.0 per cent. Other significant increases were 23.1 per cent for the Basic metal products sub-division, and 17.0 per cent for the Wood, wood products and furniture sub-division. At the other end of the scale, the Other machinery and equipment sub-division showed a reduction of 0.1 per cent in turnover at constant prices while the Miscellaneous manufacturing sub-division declined by 0.6 per cent between 1981-82 and 1987-88.

#### **Wages and salaries**

Despite the decline in employment within Victorian manufacturing establishments, wages and salaries paid increased by 12.3 per cent (from \$7,390m to \$8,302m) over the period 1986-87 to 1987-88. On the other hand, turnover at current prices increased by 14.4 per cent over the same period. Between 1981-82 and 1987-88 wages and salaries increased by 44.2 per cent, while turnover at current prices increased by 67.5 per cent.

#### **Major manufacturing industries**

In 1987-88, the Food, beverages, and tobacco and the Transport equipment industries made the greatest contribution to Victorian manufacturing industry in terms of employment and turnover. The Food, beverages, and tobacco industry provided 14.1 per cent of manufacturing employment and 19.5 per cent of turnover. The Transport equipment industry provided 13.7 per cent and 14.8 per cent respectively.

The Wood, wood products, and furniture and Other machinery and equipment industry subdivisions contained the greatest number of manufacturing establishments with 1,363 and 1,317, respectively.

#### **Industry profile - Food, beverages and tobacco, Victoria (ASIC subdivision 21)**

At 30 June 1988, there were 1,242 establishments classified to the Food, beverages and tobacco ASIC subdivision. These establishments contributed 14.1 per cent of Victoria's manufacturing employment. Victorian based establishments accounted for 29.4 per cent of employment within the Australian Food, beverages and tobacco industry.

Between 1982 and 1988, Victorian employment within the subdivision dropped by 3.0 per cent while the number of manufacturing establishments increased by 24.2 per cent.

Wages per person employed rose by 50.3 per cent during this period.

During the six year period under review, employment in the Meat products, beverages and malt, and fruit and vegetable industry groups fell by 11.9, 19.4 and 4.4 per cent, respectively. By contrast, employment in the Bread, cake and biscuits and the Other foods industry groups increased by 28.4 and 2.0 per cent, respectively. The most significant contributor to this movement was the Bread industry class which showed employment growth of 48.8 per cent and a 84.6 per cent increase in the number of establishments, thus reflecting the proliferation of 'hot bread' establishments.

TABLE 7.1 MANUFACTURING ACTIVITY, VICTORIA, 1901 TO 1967-68

<i>Year</i>	<i>Manufacturing establishments</i>	<i>Employment (a)</i>	<i>Wages and salaries paid (b)</i>	<i>Turnover (c)</i>	<i>Materials and fuel used</i>	<i>Value added (d)</i>	<i>Fixed capital expenditure less disposals (e)</i>
	number	number	\$m	\$m	\$m	\$m	\$m
1901	3,249	66,529	n.a.	n.a.	n.a.	n.a.	25
1911	5,126	111,948	18	84	51	32	28
1920-21	6,532	140,743	43	212	135	77	71
1932-33	8,612	144,428	42	204	122	82	136
1946-47	10,949	265,757	156	631	368	263	244
1953-54	15,533	331,277	472	1,971	1,154	817	679
1960-61	17,173	388,050	776	3,332	1,914	1,418	1,642
1965-66	17,980	439,149	1,077	4,625	2,597	2,028	2,386
1967-68	18,030	449,945	1,244	5,351	2,957	2,395	2,685

(a) Average over whole year, including working proprietors.

(b) Excludes drawings of working proprietors.

(c) Output, excluding other revenue.

(d) Value added in process of production (ie. value of output less value of materials and fuel, etc, used).

(e) Comprises land, buildings, plant, and machinery.

TABLE 7.2 MANUFACTURING ACTIVITY, VICTORIA, 1968-69 TO 1987-88

<i>Year</i>	<i>Manufacturing establishments (a)</i>	<i>Employment (b)</i>	<i>Wages and salaries paid (c)</i>	<i>Turnover</i>	<i>Purchases, transfers in and selected expenses</i>	<i>Value added (d)</i>	<i>Fixed capital expenditure less disposals</i>
	number	number	\$m	\$m	\$m	\$m	\$m
1968-69	11,563	440,236	1,342	6,336	3,861	2,542	278
1969-70	11,393	450,352	1,497	6,998	4,307	2,799	300
1980-81	8,726	391,801	5,032	23,856	14,814	9,440	712
1981-82	8,916	388,872	5,757	27,208	17,031	10,578	1,046
1982-83	8,392	349,679	5,950	27,747	17,060	10,649	998
1983-84	8,404	354,409	6,059	30,081	18,405	11,779	779
1984-85	8,499	357,989	6,551	33,436	20,782	13,154	1,035
1986-87	9,107	354,771	7,390	39,829	24,591	15,596	n.a.
1987-88	9,858	367,603	8,302	45,577	n.a.	n.a.	n.a.

(a) All manufacturing establishments in operation at 30 June, owned by multi-establishment enterprises and single establishment enterprises with four or more persons employed. Separately located administrative offices and ancillary units are not included. Note that 1968-69 and 1969-70 figures include establishments with less than four employees.

(b) As at 30 June including working proprietors. Includes persons working at separately located administrative offices and ancillary units.

(c) Excludes drawings of working proprietors.

(d) Value added is calculated by adding to turnover the increase (or deducting the decrease) in value of stock and deducting the value of purchases and selected items of expense.



**TABLE 7.3 MANUFACTURING ESTABLISHMENTS (a) BY INDUSTRY SUBDIVISION, VICTORIA, 1987-88**

ASIC code	Industry subdivision	Establishments operating at 30 June	Employment (b)	Wages and salaries paid (c)	Turnover
		number	'000	\$m	\$m
21	Food, beverages, and tobacco	1,242	51.7	1,195	8,884
23	Textiles	313	19.4	422	1,963
24	Clothing and footwear	1,089	40.1	679	2,444
25	Wood, wood products, and furniture	1,363	22.0	405	1,798
26	Paper, paper products, printing, and publishing	1,023	36.1	904	4,097
27	Chemical, petroleum, and coal products	301	19.6	549	3,837
28	Non-metallic mineral products	439	11.0	277	1,597
29	Basic metal products	202	14.7	408	3,460
31	Fabricated metal products	1,283	32.9	701	3,113
32	Transport equipment	421	50.4	1,162	6,762
33	Other machinery and equipment	1,317	45.2	1,049	4,809
34	Miscellaneous manufacturing	865	24.5	550	2,814
	<b>Total</b>	<b>9,858</b>	<b>367.6</b>	<b>8,302</b>	<b>45,577</b>

(a) All manufacturing establishments owned by multi-establishment enterprises and single establishment manufacturing enterprises with four or more persons employed. Separately located administrative offices and ancillary units are not included.

(b) At 30 June including working proprietors. Includes persons working at separately located administrative offices and ancillary units.

(c) Excludes drawings of working proprietors.

**TABLE 7.4 MANUFACTURING ESTABLISHMENTS (a) BY INDUSTRY SUBDIVISION, PERCENTAGE OF AUSTRALIAN TOTALS, VICTORIA, 1987-88**  
(per cent)

ASIC code	Industry subdivision	Establishments operating at 30 June	Employment (b)	Wages and salaries paid (c)	Turnover
21	Food, beverages, and tobacco	32	30	31	32
23	Textiles	43	55	56	50
24	Clothing and footwear	47	53	56	52
25	Wood, wood products, and furniture	29	27	27	26
26	Paper, paper products, printing, and publishing	31	33	34	34
27	Chemical, petroleum, and coal products	31	36	35	30
28	Non-metallic mineral products	24	27	28	27
29	Basic metal products	35	20	19	21
31	Fabricated metal products	27	31	32	31
32	Transport equipment	28	46	46	53
33	Other machinery and equipment	31	34	35	37
34	Miscellaneous manufacturing	33	37	39	39
	<b>Total manufacturing</b>	<b>31</b>	<b>35</b>	<b>35</b>	<b>34</b>

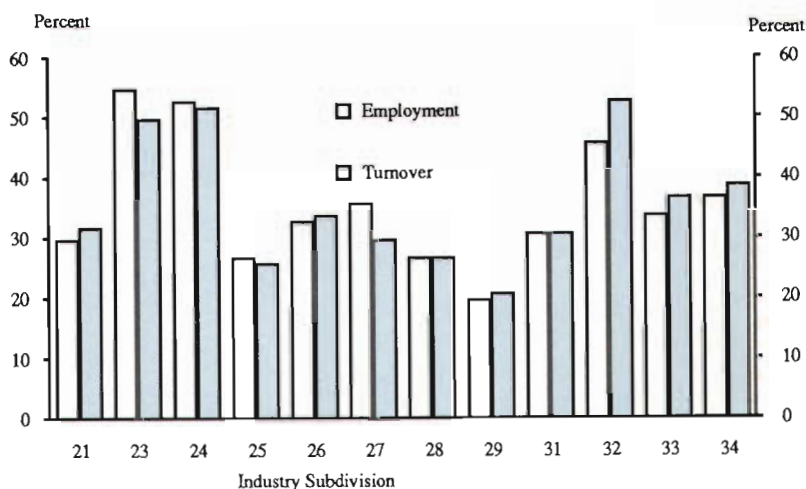
(a) All manufacturing establishments in operation at 30 June, owned by multi-establishment enterprises and single establishment enterprises with four or more persons employed. Separately located administrative offices and ancillary units are not included. Note that 1968-69 and 1969-70 figures include establishments with less than four employees.

(b) As at 30 June including working proprietors. Includes persons working at separately located administrative offices and ancillary units.

(c) Excludes drawings of working proprietors.



**MANUFACTURING ESTABLISHMENTS: SELECTED VARIABLES  
BY INDUSTRY SUBDIVISION,  
PERCENTAGE OF AUSTRALIAN TOTALS,  
1987-88**



**TABLE 7.5 MANUFACTURING ESTABLISHMENTS (a), 1987-88**

State or Territory	Establishments operating at 30 June	Employment (b)	Wages and salaries paid (c)	Turnover
	number	number	\$m	\$m
New South Wales	10,919	369,300	8,759	46,443
<b>Victoria</b>	<b>9,858</b>	<b>367,603</b>	<b>8,302</b>	<b>45,576</b>
Queensland	4,624	127,600	2,545	17,255
South Australia	2,505	95,100	2,003	11,085
Western Australia	2,675	72,100	1,605	9,417
Tasmania	686	24,800	563	3,243
Northern Territory	172	3,200	82	452
Australian Capital Territory	167	4,100	90	349
<b>Total</b>	<b>31,606</b>	<b>1,063,803</b>	<b>23,949</b>	<b>133,820</b>

(a) All manufacturing establishments in operation at 30 June, owned by multi-establishment enterprises and single establishment enterprises with four or more persons employed. Separately located administrative offices and ancillary units are not included. Note that 1968-69 and 1969-70 figures include establishments with less than four employees.

(b) As at 30 June including working proprietors. Includes persons working at separately located administrative offices and ancillary units.

(c) Excludes drawings of working proprietors.

**TABLE 7.6 NUMBER OF MANUFACTURING ESTABLISHMENTS (a) BY INDUSTRY SUBDIVISION VICTORIA**

ASIC code	Industry sub-division	1981-82	1982-83	1983-84	1984-85	1986-87	1987-88
21	Food, beverages, and tobacco	1,000	966	991	1,003	1,102	1,242
23	Textiles	325	307	295	304	300	313
24	Clothing and footwear	1,011	943	932	955	1,030	1,089
25	Wood, wood products, and furniture	1,130	1,074	1,086	1,124	1,261	1,363
26	Paper, paper products, printing, and publishing	916	881	889	899	947	1,023
27	Chemical, petroleum, and coal products	293	289	288	278	284	301
28	Non-metallic mineral products	406	392	390	388	421	439
29	Basic metal products	181	191	177	175	203	202
31	Fabricated metal products	1,197	1,086	1,079	1,074	1,139	1,283
32	Transport equipment	413	374	381	383	403	421
33	Other machinery and equipment	1,259	1,159	1,162	1,173	1,189	1,317
34	Miscellaneous manufacturing	785	730	734	743	828	865
<b>Total</b>		<b>8,916</b>	<b>8,392</b>	<b>8,404</b>	<b>8,499</b>	<b>9,107</b>	<b>9,858</b>

(a) See footnote to Table 7.2.

**TABLE 7.7 MANUFACTURING ESTABLISHMENTS (a) CLASSIFIED ACCORDING TO NUMBER OF PERSONS EMPLOYED (INCLUDING WORKING PROPRIETORS), VICTORIA**

Manufacturing establishments employing persons numbering -	At 30 June 1987		At 30 June 1988	
	Number of establishments	Number of persons employed (b)	Number of establishments	Number of persons employed (b)
Less than 10	4,689	29,543	4,656	56,361
10 to 19	1,824	28,112	2,202	
20 to 49	1,325	45,481	1,568	
50 to 99	625	49,272	680	47,450
100 to 199	373	57,832	428	48,051
200 to 499	196	63,590	243	58,817
500 to 999	59	43,717	55	70,825
1,000 and over	16	27,985	26	37,327
<b>Total</b>	<b>9,107</b>	<b>345,532</b>	<b>9,858</b>	<b>358,254</b>

(a) All manufacturing establishments owned by multi-establishment enterprises and single establishment manufacturing enterprises with four or more persons employed. In addition, there were 3,927 single establishment enterprises employing 8,227 persons in the one to three persons employed group for 1987-88.

(b) Excludes persons employed in separately located administrative offices and ancillary units serving more than one establishment.

**TABLE 7.8 PERSONS EMPLOYED (a) IN MANUFACTURING ESTABLISHMENTS, BY INDUSTRY SUBDIVISION, VICTORIA**

ASIC code	Industry subdivision	1981-82	1982-83	1983-84	1984-85	1986-87	1987-88
21	Food, beverages, and tobacco	51,835	48,867	48,604	49,246	48,802	51,700
23	Textiles	18,738	17,150	17,794	18,009	19,129	19,420
24	Clothing and footwear	43,536	40,887	43,189	42,926	41,475	40,145
25	Wood, wood products, and furniture	19,602	17,743	18,520	19,466	21,215	21,952

TABLE 7.8 PERSONS EMPLOYED (a) IN MANUFACTURING ESTABLISHMENTS, VICTORIA - *continued*

ASIC code	Industry subdivision	1981-82	1982-83	1983-84	1984-85	1986-87	1987-88
26	Paper, paper products, printing, and publishing	32,956	33,335	34,106	34,201	35,221	36,078
27	Chemical, petroleum, and coal products	20,272	20,160	19,699	19,759	19,329	19,568
28	Non-metallic mineral products	12,296	10,802	10,472	10,280	10,625	11,001
29	Basic metal products	14,675	12,734	12,747	12,579	13,431	14,734
31	Fabricated metal products	35,942	30,612	30,163	29,789	30,445	32,930
32	Transport equipment	60,223	51,368	53,927	55,403	47,959	50,401
33	Other machinery and equipment	52,236	43,512	42,271	43,295	43,773	45,162
34	Miscellaneous manufacturing	26,561	22,509	22,917	23,036	23,367	24,512
<b>Total</b>		<b>388,872</b>	<b>349,679</b>	<b>354,409</b>	<b>357,989</b>	<b>354,771</b>	<b>367,603</b>

(a) Employment at 30 June including working proprietors (Includes persons working at separately located administrative offices and ancillary units).

TABLE 7.9 MANUFACTURING ESTABLISHMENTS (a), TYPE OF EMPLOYMENT, VICTORIA

At 30 June	Working proprietors	Administrative, office, sales, and distribution employees (b)	Production and all other employees (b)	Total
1982	3,475	98,178	287,219	388,872
1983	2,869	89,517	257,293	349,679
1984	2,906	88,879	262,624	354,409
1985	2,630	88,809	266,550	357,989
1987	1,954	98,059	254,758	354,771
1988	2,815		364,788	367,603

(a) See footnote to Table 7.2.

(b) Separate data is not available for 1987-88.

TABLE 7.10 MANUFACTURING ESTABLISHMENTS (a), TYPE OF EMPLOYMENT BY INDUSTRY SUBDIVISION, VICTORIA, AT 30 JUNE 1988

ASIC code	Industry subdivision	Working proprietors	Employees (b)	Total
21	Food, beverages, and tobacco	700	51,000	51,700
23	Textiles	49	19,371	19,420
24	Clothing and footwear	419	39,726	40,145
25	Wood, wood products, and furniture	503	21,449	21,952
26	Paper, paper products, printing, and publishing	242	35,836	36,078
27	Chemical, petroleum, and coal products	22	19,546	19,568
28	Non-metallic mineral products	95	10,906	11,001
29	Basic metal products	28	14,706	14,734
31	Fabricated metal products	288	32,642	32,930
32	Transport equipment	92	50,309	50,401
33	Other machinery and equipment	196	44,966	45,162
34	Miscellaneous manufacturing	181	24,331	24,512
<b>Total</b>		<b>2,815</b>	<b>364,788</b>	<b>367,603</b>

(a) See footnote to Table 7.2.

(b) See footnote to Table 7.9.



**TABLE 7.11 MANUFACTURING ESTABLISHMENTS (a), TURNOVER (b) BY INDUSTRY SUBDIVISION, VICTORIA (\$m)**

ASIC code	Industry subdivision	1981-82	1982-83	1983-84	1984-85	1986-87	1987-88
21	Food, beverages, and tobacco	5,452	5,959	6,266	6,673	7,734	8,884
23	Textiles	1,107	1,087	1,219	1,370	1,750	1,963
24	Clothing and footwear	1,647	1,717	1,926	2,057	2,392	2,444
25	Wood, wood products, and furniture	1,016	1,014	1,115	1,292	1,587	1,798
26	Paper, paper products, printing, and publishing	2,066	2,262	2,499	2,833	3,612	4,097
27	Chemical, petroleum, and coal products	2,365	2,451	2,668	2,876	3,400	3,837
28	Non-metallic mineral products	902	884	1,001	1,188	1,393	1,597
29	Basic metal products	1,809	1,721	2,116	2,397	3,082	3,460
31	Fabricated metal products	2,043	1,953	2,037	2,186	2,548	3,113
32	Transport equipment	3,825	4,014	4,269	5,159	5,624	6,762
33	Other machinery and equipment	3,196	2,987	3,055	3,325	4,253	4,809
34	Miscellaneous manufacturing	1,780	1,701	1,911	2,080	2,457	2,814
<b>Total</b>		<b>27,208</b>	<b>27,747</b>	<b>30,081</b>	<b>33,436</b>	<b>39,829</b>	<b>45,577</b>

(a) See footnote to Table 7.2.

(b) Turnover includes sales of goods whether produced by an establishment or not, transfers out of goods to other establishments of the same enterprise, bounties and subsidies on production plus all other operating revenue from outside the enterprise.

**TABLE 7.12 MANUFACTURING ESTABLISHMENTS (a), PURCHASES, TRANSFERS IN, AND SELECTED ITEMS OF EXPENSE (b) BY INDUSTRY SUBDIVISION, VICTORIA (\$m)**

ASIC code	Industry subdivision	1981-82	1982-83	1983-84	1984-85	1986-87	1987-88
21	Food, beverages, and tobacco	3,801	4,145	4,198	4,495	5,112	n.a.
23	Textiles	682	658	741	863	1,040	n.a.
24	Clothing and footwear	878	894	1,030	1,115	1,294	n.a.
25	Wood, wood products, and furniture	584	571	628	744	942	n.a.
26	Paper, paper products, printing, and publishing	1,106	1,213	1,325	1,530	1,841	n.a.
27	Chemical, petroleum, and coal products	1,468	1,518	1,619	1,711	2,061	n.a.
28	Non-metallic mineral products	482	470	515	629	797	n.a.
29	Basic metal products	1,319	1,258	1,592	1,885	2,339	n.a.
31	Fabricated metal products	1,161	1,076	1,137	1,234	1,444	n.a.
32	Transport equipment	2,614	2,601	2,760	3,468	3,828	n.a.
33	Other machinery and equipment	1,824	1,618	1,703	1,856	2,408	n.a.
34	Miscellaneous manufacturing	1,112	1,037	1,156	1,252	1,487	n.a.
<b>Total</b>		<b>17,031</b>	<b>17,060</b>	<b>18,405</b>	<b>20,782</b>	<b>24,591</b>	<b>n.a.</b>

(a) See footnote to Table 7.2.

(b) Includes purchases of materials, fuel, power, containers, etc., and goods for resale, plus transfers in of goods from other establishments of the enterprise, plus charges for commission and sub-contract work, repair and maintenance expenses, outward freight and cartage, motor vehicle running expenses, sales commission payments, rent, leasing, and hiring expenses.

**TABLE 7.13 MANUFACTURING ESTABLISHMENTS (a), STOCKS (b) BY INDUSTRY  
SUBDIVISION, VICTORIA  
(\$m)**

<i>ASIC code</i>	<i>Industry subdivision</i>	<i>1981-82</i>	<i>1982-83</i>	<i>1983-84</i>	<i>1984-85</i>	<i>1986-87</i>	<i>1987-88</i>
<b>OPENING STOCKS</b>							
21	Food, beverages, and tobacco	641	646	741	744	657	n.a.
23	Textiles	186	204	192	212	270	n.a.
24	Clothing and footwear	265	289	280	316	374	n.a.
25	Wood, wood products, and furniture	127	140	136	151	201	n.a.
26	Paper, paper products, printing, and publishing	263	291	285	291	358	n.a.
27	Chemical, petroleum, and coal products	369	404	420	452	610	n.a.
28	Non-metallic mineral products	104	121	132	120	144	n.a.
29	Basic metal products	263	293	258	273	307	n.a.
31	Fabricated metal products	330	364	306	316	343	n.a.
32	Transport equipment	640	674	709	660	885	n.a.
33	Other machinery and equipment	742	781	720	682	979	n.a.
34	Miscellaneous manufacturing	270	274	266	269	290	n.a.
<b>Total</b>		<b>4,200</b>	<b>4,480</b>	<b>4,444</b>	<b>4,486</b>	<b>5,418</b>	<b>n.a.</b>
<b>CLOSING STOCKS</b>							
21	Food, beverages, and tobacco	655	722	764	769	690	n.a.
23	Textiles	206	195	211	242	310	n.a.
24	Clothing and footwear	295	287	320	345	422	n.a.
25	Wood, wood products, and furniture	143	140	155	174	231	n.a.
26	Paper, paper products, printing, and publishing	312	291	286	343	380	n.a.
27	Chemical, petroleum, and coal products	411	425	463	471	652	n.a.
28	Non-metallic mineral products	121	132	119	125	148	n.a.
29	Basic metal products	290	275	268	311	334	n.a.
31	Fabricated metal products	371	320	324	336	378	n.a.
32	Transport equipment	705	665	677	780	960	n.a.
33	Other machinery and equipment	799	737	686	789	944	n.a.
34	Miscellaneous manufacturing	291	253	273	301	328	n.a.
<b>Total</b>		<b>4,601</b>	<b>4,442</b>	<b>4,546</b>	<b>4,986</b>	<b>5,777</b>	<b>n.a.</b>

(a) See footnote to Table 7.2.

(b) Figures include finished goods, work-in-progress and stocks of materials, fuels, etc. Note that due to reporting differences on individual returns and variations in number of establishments from year to year the closing stocks in one year may differ from the opening stocks in the following year.



**TABLE 7.14 MANUFACTURING ESTABLISHMENTS (a), VALUE ADDED (b) BY INDUSTRY SUBDIVISION, VICTORIA (\$m)**

ASIC code	Industry subdivision	1981-82	1982-83	1983-84	1984-85	1986-87	1987-88
21	Food, beverages, and tobacco	1,666	1,890	2,092	2,203	2,654	n.a.
23	Textiles	445	420	497	538	749	n.a.
24	Clothing and footwear	800	821	937	973	1,146	n.a.
25	Wood, wood products, and furniture	447	443	505	572	675	n.a.
26	Paper, paper products, printing, and publishing	1,009	1,049	1,174	1,354	1,792	n.a.
27	Chemical, petroleum, and coal products	940	953	1,093	1,184	1,380	n.a.
28	Non-metallic mineral products	438	425	473	563	600	n.a.
29	Basic metal products	516	445	534	549	769	n.a.
31	Fabricated metal products	924	833	918	973	1,139	n.a.
32	Transport equipment	1,276	1,403	1,476	1,811	1,871	n.a.
33	Other machinery and equipment	1,429	1,324	1,319	1,575	1,811	n.a.
34	Miscellaneous manufacturing	690	643	761	859	1,008	n.a.
<b>Total</b>		<b>10,578</b>	<b>10,649</b>	<b>11,779</b>	<b>13,154</b>	<b>15,596</b>	<b>n.a.</b>

(a) See footnote to Table 7.2.

(b) Value added is calculated by adding to turnover the increase (or deducting the decrease) in value of stock and deducting the value of purchases and selected items of expenditure.

**TABLE 7.15 MANUFACTURING ESTABLISHMENTS (a) BY STATISTICAL DIVISION, VICTORIA, AT 30 JUNE 1988**

Statistical division	Establishments operating at 30 June	Employment at 30 June			Wages and salaries paid	Turnover
		Males	Females	Persons		
	number	number	number	number	\$m	\$m
Melbourne	7,949	203,932	93,804	297,736	6,766	3,593
Barwon	338	14,511	4,226	18,737	459	2,799
South Western	135	4,180	1,313	5,493	123	1,069
Central Highlands	227	6,276	2,240	8,516	180	804
Wimmera	73	924	571	1,495	22	125
Northern Mallee	101	1,159	345	1,504	29	220
Loddon-Campaspe	259	6,531	3,495	10,026	184	947
Goulburn	239	5,102	2,262	7,364	164	1,134
North Eastern	153	5,055	1,811	6,866	162	1,158
East Gippsland	115	1,839	465	2,304	40	234
Central Gippsland	200	4,277	1,517	5,794	137	927
East Central	69	1,227	541	1,768	37	227
<b>Total</b>	<b>9,858</b>	<b>255,013</b>	<b>112,590</b>	<b>367,603</b>	<b>8,302</b>	<b>45,577</b>

(a) See footnote to Table 7.2.



TABLE 7.16 NUMBER OF MANUFACTURING ESTABLISHMENTS (a) AND PERSONS EMPLOYED IN EACH STATISTICAL DIVISION, CLASSIFIED ACCORDING TO INDUSTRY SUB-DIVISION, VICTORIA, 1987-88

		Statistical division												
ASIC				South	Central					North	East	Central	East	
code	Industry subdivision	Melbourne	Barwon	Western	Highlands	Wimmera	Mallee	Campaspe	Goulburn	Eastern	Gippsland	Gippsland	Central	Total
NUMBER OF MANUFACTURING ESTABLISHMENTS														
21	Food, beverages, and tobacco	763	51	41	44	20	34	69	81	45	22	54	18	1,242
23	Textiles	254	20	n.p.	n.p.	n.p.	n.p.	8	6	n.p.	n.p.	n.p.	n.p.	313
24	Clothing and footwear	994	29	n.p.	9	n.p.	-	15	13	n.p.	n.p.	10	n.p.	1,089
25	Wood, wood products, and furniture	1,038	57	19	41	10	11	27	38	28	38	35	21	1,363
26	Paper, paper products, printing, and publishing	862	n.p.	12	12	10	14	27	23	n.p.	11	n.p.	5	1,023
27	Chemical, petroleum, and coal products	268	14	n.p.	n.p.	-	n.p.	5	n.p.	n.p.	-	n.p.	n.p.	301
28	Non-metallic mineral products	242	27	16	27	6	11	31	20	17	12	23	7	439
29	Basic metal products	158	13	n.p.	8	n.p.	n.p.	7	n.p.	n.p.	n.p.	4	-	202
31	Fabricated metal products	1,089	44	12	23	7	n.p.	31	19	14	10	26	n.p.	1,283
32	Transport equipment	351	n.p.	7	12	-	n.p.	11	12	n.p.	n.p.	7	n.p.	421
33	Other machinery and equipment	1,137	30	12	31	9	14	19	21	17	9	15	3	1,317
34	Miscellaneous manufacturing	793	23	4	9	n.p.	n.p.	9	2	n.p.	n.p.	3	n.p.	865
Total		7,949	338	135	227	73	101	259	239	153	115	200	69	9,858
NUMBER OF PERSONS EMPLOYED														
21	Food, beverages, and tobacco	32,428	1,494	2,034	2,098	506	724	2,684	3,961	2,774	651	1,589	757	51,700
23	Textiles	14,312	1,794	n.p.	n.p.	n.p.	n.p.	638	297	n.p.	n.p.	n.p.	n.p.	19,420
24	Clothing and footwear	32,630	1,945	n.p.	785	n.p.	-	1,929	612	n.p.	n.p.	535	n.p.	40,145
25	Wood, wood products, and furniture	16,512	725	321	885	116	96	307	503	761	998	493	235	21,952
26	Paper, paper products, printing, and publishing	31,054	n.p.	268	315	113	212	551	531	n.p.	149	n.p.	138	36,078
27	Chemical, petroleum, and coal products	17,469	1,569	n.p.	n.p.	-	n.p.	48	n.p.	n.p.	-	n.p.	n.p.	19,568
28	Non-metallic mineral products	7,975	1,197	60	618	46	46	387	210	164	44	210	44	11,001
29	Basic metal products	10,193	2,508	n.p.	582	n.p.	n.p.	193	n.p.	n.p.	n.p.	80	-	14,734
31	Fabricated metal products	28,679	931	223	483	70	n.p.	1,062	392	290	136	437	n.p.	32,930
32	Transport equipment	42,300	n.p.	47	1340	-	n.p.	1,099	293	n.p.	n.p.	50	n.p.	50,401
33	Other machinery and equipment	40,991	589	404	935	110	180	778	429	339	63	318	26	45,162
34	Miscellaneous manufacturing	23,193	278	28	85	n.p.	n.p.	350	36	n.p.	n.p.	108	n.p.	24,512
Total		297,736	18,737	5,493	8,516	1,495	1,504	10,026	7,364	6,866	2,304	5,794	1,768	367,391

(a) See footnote to Table 7.2.

**TABLE 7.17 SELECTED ARTICLES MANUFACTURED, 1987-88**

<i>Article</i>	<i>Unit</i>	<i>Victoria</i>	<i>Australia</i>	<i>Victoria as a percentage of Australia</i>
<b>Meat (carcass weight) -</b>				
Beef and veal	'000 tonnes	291	1,471	19.8
Mutton	'000 tonnes	56	243	23.0
Lamb	'000 tonnes	111	281	39.5
Pigmeat	'000 tonnes	61	303	20.1
<b>Dairy products -</b>				
Whole milk	ml. litres	3,792	6,291	60.3
Butter	tonnes	83,282	95,853	86.9
Cheese	tonnes	114,871	190,711	60.2
Ice cream	'000 litres	65,309	209,001	31.2
Flour, white	tonnes	259,702	1,203,439	21.6
<b>Yarns -</b>				
Cotton	tonnes	9,604	20,332	47.2
Wool	tonnes	15,967	21,458	74.4
<b>Woven cloth -</b>				
Cotton	'000 sq metres	18,389	36,307	50.6
Wool	'000 sq metres	2,924	9,669	30.2
Cars and station wagons	'000	186	329	56.5
Plastic and synthetic resins	'000 tonnes	472	700	67.4
<b>Building materials -</b>				
Clay bricks	million	439	2,142	20.5
Terracotta and concrete roofing tiles	'000 sq. metres	5,957	24,801	24.0
Ready mixed concrete	'000 cu. metres	4,344	17,102	25.4

## MINING

### Overview

In 1986-87 the Victorian mining industry contributed 21.0 per cent of the Australian mining component of Gross Domestic Product (GDP) at factor cost. The mining industry represented 3.1 per cent of Victoria's GDP at factor cost in 1986-87.

The term 'mining' as used in GDP at factor cost estimates includes the extraction of minerals occurring naturally as solids, such as coals and ores, liquids such as crude petroleum, and gases such as natural gas.

### Oil and gas production

In 1987-88, the Gippsland Basin produced 84 per cent of Australia's crude oil and 39 per cent of its natural gas.

### Brown coal

Australia's measured and indicated resources of brown coal are estimated at 43,300 Megatonnes., the majority of which is located in Victoria's Latrobe Valley (39,700 Mt.). Brown coal is by far Victoria's most valuable solid mineral commodity, with production in 1987-88 valued at \$320.2m.

## Gold

Victoria's production of gold bullion increased rapidly in recent years. Only 41 kilograms were produced during 1979-80, rising to 150 kilograms in 1983-84. Victorian gold production increased dramatically from this low base, largely as a result of the Wonga open cut mine at Stawell coming on stream. By 1987-88, Victorian production was 1,634 kilograms and was valued at \$32.9m.

TABLE 7.18 MINING ACTIVITY (a), VICTORIA

Year	Establish- ments at 30 June	Employ- ment (b)	Wages and salaries (c)	Turnover	Stocks		Purchases, transfers in and selected expenses	Value added (d)
					Opening	Closing		
	number	number	\$m	\$m	\$m	\$m	\$m	\$m
1984-85	221	5,737	160.3	3,104.9	65.9	62.6	281.9	2,819.7
1985-86	207	5,567	171.7	3,384.0	61.1	70.3	323.5	3,069.7
1986-87	208	5,783	182.1	2,525.6	65.9	72.3	293.0	2,239.0
1987-88	208	5,901	204.9	2,923.5	75.2	85.2	327.9	2,605.5

(a) ASIC Subdivisions not available for separate publication.

(b)(c)(d) See footnotes to Table 7.2.

TABLE 7.19 ROYALTIES FROM OIL AND GAS PRODUCTION,  
VICTORIA  
(\$m)

Year	Amount received	Amount paid to Commonwealth	Amount retained by Victoria
1982-83	188.3	62.7	125.6
1983-84	257.9	84.2	173.7
1984-85	293.9	96.5	197.5
1985-86	302.2	99.4	202.8
1986-87	218.7	71.4	147.2
1987-88	213.9	69.8	144.1

Source: Department of Industry, Technology and Resources, Victoria: *Annual Report*.

TABLE 7.20 CRUDE OIL PRODUCTION (a), VICTORIA

Year	Barrels ('000)		Megalitres	
	During year	Average barrels per day	During year	Average megalitres per day
1982	127,070	348	20,203	55.3
1983	137,337	376	21,835	60.0
1984	159,395	436	25,342	69.4
1985	177,776	487	28,264	77.4
1986	145,350	398	23,109	63.3
1987	151,571	415	24,098	66.0
1988	133,194	364	21,176	57.9

(a) After processing.

Source: Australian Institute of Petroleum: *Oil and Australia*



**TABLE 7.21 ESTIMATED HYDROCARBON RESERVES, VICTORIA**  
(million cu. metres)

Item	1985	1986	1987
Crude oil	189	184	161
Natural gas	168	168	159
Condensate	21	21	22
LPG	45	46	46

Source: Department of Industry, Technology and Resources: *Annual Report*.

**TABLE 7.22 MINERAL PRODUCTION, VICTORIA**

Mineral	Unit	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Brown coal	kilotonnes	34,708	33,199	r38,501	r36,319	r41,799	43,481
Metallic minerals -							
Bauxite	tonnes	8,585	12,829	4,409	4,584	r7,882	7,345
Gold bullion (a)	kilograms	115	150	902	1,272	r1,179	1,634
Non-metallic minerals -							
Diatomite (b)	tonnes	682	538	776	-	r-	1,800
Gypsum	kilotonnes	88	207	247	139	r187	196
Kaolin (b)	kilotonnes	47	84	89	36	r41	45

(a) Gold bullion is not yet refined and may contain small amounts of other metals such as silver.

(b) Refined and unrefined

Source: Department of Industry, Technology and Resources, Victoria: *Annual Report*.

**TABLE 7.23 MINERAL PRODUCTION AND VALUE, VICTORIA, 1987-88**

Mineral	Unit	Production	Value ('000)
Bauxite	tonnes	7,345	198
Brown coal	kilotonnes	43,481	312,031
Gold	kilograms	1,634	32,868
Gypsum	kilotonnes	196	1,306
Kaolin	kilotonnes	45	6,625
<b>Total</b>			<b>353,028</b>

Source: Department of Industry, Technology and Resources, Victoria: *Annual Report*.

**TABLE 7.24 STONE PRODUCTION, VICTORIA, 1987-88**

Item	Establishments operating	Total Victorian production	
	Number	Production	Value
		'000 tonnes	\$'000
Clays -			
Brick clay and shale	29	1,535	4,524
Fireclay	2	5	48
White and other clays	9	180	1,136
<b>Total clays</b>	<b>40</b>	<b>1,720</b>	<b>5,708</b>

**TABLE 7.24 STONE PRODUCTION, VICTORIA, 1987-88 - continued**

Item	Establishments operating	Total Victorian production	
	Number	Production	Value
		'000 tonnes	\$'000
Crushed and broken stone -			
Basalt	50	12,056	103,166
Dacite, rhyolite, and rhyodacite	3	1,802	21,887
Granite	9	1,902	18,632
Hornfels	7	1,154	10,767
Limestone	7	907	8,687
Sandstone, quartzite	25	781	3,727
Shale and schist, other	3	84	738
Total crushed and broken stone	104	18,686	167,604
Dimension stone -			
Basalt, granite, sandstone and other	8	31	1,392
Earth and soil	22	581	2,382
Gravel	63	3,559	12,196
Limestone -			
For agriculture	11	117	2,670
For cement	3	2,271	9,981
For other purposes	2	5	106
Total limestone	16	2,393	12,757
Salamander and filling	30	851	1,779
Sand	134	6,838	42,415
Scoria	18	1,131	6,229
Tuff	8	22	40
Other	1	1	4
Grand total	444	35,813	252,506

Source: Department of Industry, Technology and Resources, Victoria: *Annual Report*.

## ENERGY

### Overview

In 1986-87, Victoria contributed 30 per cent of the Electricity, gas, and water component of Australia's Gross Domestic Product (GDP) at factor cost. The Electricity, gas, and water industries represented 3.5 per cent of Victoria's GDP at factor cost in 1986-87.

The Electricity, gas, and water component of GDP includes the transmission and distribution of gas through reticulation systems. It does not include the extraction of crude petroleum or natural gas.

### Electricity generated

Victorian production of electricity in 1988-89 was 36,139 GWh, a rise of 8.4 per cent over the 1987-88 figure.

Victoria's electricity system is based upon the State's extensive brown coal resource in the LaTrobe Valley in Central Gippsland, which is one of the largest single brown coal deposits in the world.

All the major brown coal fired generating plants in the system are located in the LaTrobe Valley. These plants generate three-quarters of the State's electricity requirement.

Other thermal stations include a gas turbine station in the LaTrobe Valley and a gas fired station in Melbourne. There are hydro-electric power stations in north-eastern Victoria, and the State is also entitled to about 30 per cent of the output of the Snowy Mountains hydro-electric scheme and half of the output of the Hume hydro-electric station near Albury.

### Petroleum marketed

Motor spirit (super, standard and unleaded) marketed in Victoria during 1988-89 amounted to 4,773.2 megalitres. This represented a 2 per cent rise over the 1987-88 figure.

**TABLE 7.25 POWER STATIONS: LOCATIONS, RATING, AND PRODUCTION, VICTORIA**

Station	Maximum output achieved (MW)		Electricity generated (GWh)	
	1987-88	1988-89	1987-88	1988-89
<b>Brown coal thermal stations -</b>				
Hazelwood	1,135	1,320	7,285	8,397
Yallourn	226	103	765	27
Yallourn W	1,436	1,485	8,006	8,570
Morwell	137	140	742	835
Loy Yang A	2,057	2,066	12,307	13,616
<b>Total</b>	<b>..</b>	<b>..</b>	<b>29,105</b>	<b>31,445</b>
<b>Other thermal stations -</b>				
Newport D	513	507	1,300	1,606
Jeeralang	488	492	259	559
<b>Total</b>	<b>..</b>	<b>..</b>	<b>1,559</b>	<b>2,165</b>
<b>Hydro stations -</b>				
Kiewa	192	192	272	413
Eildon-Rubicon (incl. Cairn-Curran)	138	136	312	203
Dartmouth	153	150	361	72
<b>Total</b>	<b>..</b>	<b>..</b>	<b>945</b>	<b>688</b>
Stations operated by other bodies	1,418	1,261	1,714	1,841
<b>Total input to system</b>	<b>..</b>	<b>..</b>	<b>33,323</b>	<b>36,139</b>

Source: State Electricity Commission of Victoria: *Annual Report*.

**TABLE 7.26 REFINING CAPACITY, VICTORIA, AT 1 JULY 1989**

Refinery	Location in Victoria and year refinery came on stream	Primary processing capacity (a)
Shell Refining (Australia) Pty Ltd	Corio near Geelong 1954	110,000 to 132,000 BSD (5,000,000 tonnes/year)
Shell Lubricating oil plant	Corio near Geelong 1954	3,000 BSD (145,000 tonnes/year)
Petroleum Refineries (Australia) Pty Ltd	Altona near Melbourne 1949	108,000 BSD (5,000,000 tonnes/year)

(a) BSD: barrels per stream day.

Source: Australian Institute of Petroleum Ltd: *Oil and Australia*.



**TABLE 7.27 PRINCIPAL PETROLEUM PRODUCTS MARKETED, VICTORIA**  
(megalitres)

Item	1986-87	1987-88	1988-89
Aviation gasoline	18.04	18.80	19.40
Motor spirit -			
Super	4,098.74	3,994.29	3,779.38
Standard	0.22	-	-
Unleaded	381.94	668.22	973.85
Total	4,480.90	4,662.51	4,773.23
Power kerosene	0.36	0.18	} 13.39
Lighting kerosene	19.38	15.35	
Aviation turbine fuel	524.72	556.66	549.04
Heating oil	50.39	39.06	35.35
Automotive distillate	1,462.62	1,533.84	1704.86
Industrial diesel fuel	119.19	104.44	106.25
Fuel oil	377.89	358.92	366.68
<b>Grand total (a)</b>	<b>7,053.49</b>	<b>7,289.76</b>	<b>7,568.20</b>

(a) Other petroleum fuels including refinery oil are no longer included as principal petroleum products marketed.

Source: Department of Resources and Energy, Victoria: *Major Energy Statistics*.

## REFERENCES

### Data Sources

The latest year for which ABS estimates are available for gross product at factor cost is 1987-88. However, State details are restricted because G.D.P. by industry excludes the general government gross operating surplus component.

Major sources of manufacturing data are the Censuses of Manufacturing Establishments which have been conducted in Victoria since 1901, and the monthly surveys of selected manufacturing production. No Manufacturing Census was conducted for the year 1985-86.

Manufacturing statistics collected since 1968-69 are classified by industry according to Division C of the Australian Standard Industrial Classification (ASIC). Division C broadly relates to the physical or chemical transformation of materials or components into new products, whether the work is performed by power driven machines or by hand.

### ABS publications

- Census of Manufacturing Establishments: Summary of Operations by Industry Subdivision, Australia, Preliminary* (8201.0)
- Manufacturing Establishments: Summary of Operations by Industry Class, Australia* (8202.0)
- Manufacturing Establishments: Selected Items of Data by Industry and Employment Size, Victoria* (8202.2)
- Manufacturing Establishments: Details of Operations by Industry Class, Australia* (8203.0)
- Manufacturing Establishments: Small Area Statistics, Victoria* (8203.2)
- Manufacturing Establishments: Details of Operations, Victoria* (8291.2)
- Production Bulletins Nos. 1 to 8* (8357.0-8364.0)
- Manufacturing, Victoria* (8207.2)

### Non-ABS publications

- Department of Management and Budget, Victoria, estimates of State Accounts compiled by the Policy Planning Division.*

# 8

## COMMERCE

### Introduction

This chapter covers retail and wholesale trade; retail and producer price indexes; external trade, both imports and exports; and household expenditure surveys.

The term 'wholesale trade' is used in the broad sense to include the resale (as agents or principals) of new or used goods to retailers or other business users (including farmers and builders). A sample survey of wholesale establishments was conducted in respect of the year ended 30 June 1982, the results of which are presented in the 1986 edition of the *Victorian Year Book*. 'Retail trade' refers to the resale of new or used goods to final consumers for personal or household consumption.

### Overview

Wholesale and Retail Trade contributed 14.9 per cent of Australia's and 14.0 per cent of Victoria's Gross Domestic Product (GDP) at factor cost in 1986-87. The Australian share of GDP at factor cost held by Retail and Wholesale trade declined from 14.0 per cent in 1981-82 to 13.2 per cent in 1983-84 before rising to 13.8 per cent in 1984-85. A slight decrease from 14.1 per cent to 14.0 per cent then occurred between 1985-86 and 1986-87. The Victorian share declined gradually from 14.1 per cent to 12.9 per cent between 1981-82 and 1983-84 before rising again to the 1986-87 level.

### RETAILING IN THE 1980s

#### Victoria compared with Australia

In 1985-86, Victoria accounted for 26.2 per cent of the retail establishments in Australia and 28.1 per cent of their turnover. Victorian establishments employed 26.9 per cent of persons engaged in retailing.

During the six year period 1979-80 to 1985-86, the number of retail establishments in Australia increased by 12.7 per cent. The number of establishments in Victoria increased by 5.7 per cent during the same period. All other States recorded larger percentage increases.

Employment by Victorian retailers rose during the period by 19.0 per cent compared with a 17.4 per cent increase for Australia.

Turnover of Victorian retailers at constant prices increased over the same period by 23.6 per cent, while the Australian turnover figure rose by 24.6 per cent.

The above figures suggest that the decline in the number of establishments in Victoria in recent years was due to structural change in the industry rather than a contraction in the level of activity.

**Retail industries**

Department and general stores accounted for only 0.3 per cent of retail establishments in Victoria in 1985-86. This group however, employed 10.2 per cent of persons engaged in retailing in Victoria and contributed 6.9 per cent of total industry turnover.

Almost one third of retail establishments were Food stores. Food stores employed 37.4 per cent of the Victorian retail workforce and contributed 25.2 per cent to industry turnover.

The industry group with the largest turnover during 1985-86 was the Motor vehicle dealers; petrol and tyre retailers group. This group accounted for 44.1 per cent of the Victorian retail industry's turnover and 20.9 per cent of retail employment.

**TABLE 8.1 RETAIL ESTABLISHMENTS: SUMMARY OF OPERATIONS BY INDUSTRY GROUP, VICTORIA 1985-86**

Asic code	Industry group	Establishments at 30 June	Persons employed at 30 June ('000)	Wages and salaries (\$m)	Retail sales (\$m)	Turnover (\$m)	Value added (\$m)	Total floor space ('000m <sup>2</sup> )
481	Department and general stores	131	25.3	302.0	1685.5	1,784.4	534.6	829
484	Clothing, fabrics and furniture stores	7,714	31.6	306.7	2,430.7	2,483.9	692.6	1,523
485	Household appliance and hardware stores	4,070	17.7	178.7	1,524.0	1,759.2	428.9	834
486	Motor vehicle dealers, petrol and tyre retailers	9,270	52.2	637.1	7,064.1	11,466.8	1,863.5	..
488	Food stores	13,520	93.2	687.6	6,485.3	6,549.0	1,271.0	2,305
489	Other retailers	7,191	29.4	210.5	1,870.1	1,934.8	583.1	1,195
	<b>Total</b>	<b>41,896</b>	<b>249.5</b>	<b>2,322.6</b>	<b>21,059.7</b>	<b>25,978.2</b>	<b>5,373.7</b>	<b>..</b>

**TABLE 8.2 RETAIL ESTABLISHMENTS : SUMMARY OF OPERATIONS BY INDUSTRY GROUP, PERCENTAGE OF AUSTRALIAN TOTALS, VICTORIA, 1985-86 (per cent)**

Asic code	Industry Group	Establishments at 30 June	Persons employed at 30 June	Wages and salaries	Retail sales	Turnover	Value added	Total floor space
481	Department and general stores	20.0	25.1	25.7	22.2	22.1	22.6	20.7
484	Clothing, fabrics and furniture stores	29.9	31.1	31.8	30.3	30.4	30.9	30.3
485	Household appliance and hardware stores	26.9	28.5	28.4	29.3	29.3	27.0	32.3
486	Motor vehicle dealers, petrol and tyre retailers	24.1	24.4	24.8	26.2	30.0	27.9	..
488	Food stores	26.2	27.3	27.9	26.4	26.4	26.3	26.5
489	Other retailers	25.2	27.0	27.0	27.1	27.0	27.1	25.5
	<b>Total</b>	<b>26.2</b>	<b>26.9</b>	<b>27.1</b>	<b>26.6</b>	<b>28.1</b>	<b>27.1</b>	<b>..</b>



### Survey of retail establishments

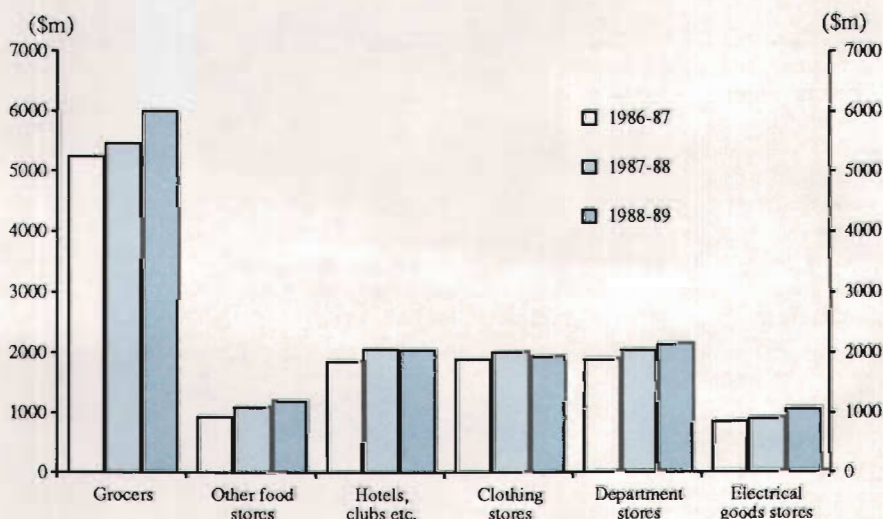
During the period between Retail censuses, monthly estimates of the value of retail turnover by industry group are obtained by means of a sample survey of representative retail establishments. Estimates of retail sales by commodity groups were collected on a quarterly basis until June quarter 1987. An annual commodity collection replaced the former quarterly collection and was conducted in respect of 1987-88 and 1988-89.

**TABLE 8.3 TURNOVER OF RETAIL ESTABLISHMENTS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.) AT CURRENT PRICES: BY INDUSTRY, VICTORIA (a)**  
(\$m)

Industry group	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89
Grocers, confectioners, tobacconists	4,204.7	4,512.4	4,905.6	5,282.1	5,495.7	6,046.6
Butchers	348.4	355.5	478.0	475.4	460.1	472.5
Other food stores	678.9	660.0	732.9	969.9	1,128.7	1,233.1
Hotels, liquor stores, licensed clubs	1,676.1	1,644.0	1,783.5	1,892.3	2,093.7	2,088.3
Cafes and restaurants	n.a.	n.a.	n.a.	n.a.	n.a.	861.3
Clothing and fabrics stores	1,601.3	1,683.2	1,849.4	1,933.7	2,054.1	1,972.3
Department and general stores	1,422.6	1,621.0	1,759.4	1,921.9	2,081.1	2,169.7
Footwear stores	208.9	214.4	216.4	265.4	296.1	272.6
Domestic hardware stores, jewellers	600.1	541.4	619.1	750.6	865.8	880.8
Electrical goods stores	767.6	730.3	850.4	891.5	938.9	1,104.2
Furniture stores	345.6	380.4	506.9	508.6	492.6	454.7
Floor coverings stores	127.3	129.4	168.6	192.9	206.5	199.3
Chemists	419.3	431.7	491.4	566.5	642.4	700.8
Newsagents	551.8	611.8	624.1	633.4	634.2	623.7
Other	n.a.	n.a.	n.a.	n.a.	n.a.	1,026.3
<b>Total</b>	<b>14,020.1</b>	<b>14,649.1</b>	<b>16,345.2</b>	<b>17,852.9</b>	<b>19,071.2</b>	<b>20,106.2</b>

(a) Prior to June 1988 these series reflect retail sales adjusted to turnover.

**TURNOVER OF RETAIL ESTABLISHMENTS AT CURRENT PRICES :  
BY SELECTED INDUSTRIES, VICTORIA**



## PRICE INDEXES

### Introduction

Price indexes are designed to measure the changes in prices over time of a constant basket of goods and services. They measure the proportionate change in the aggregate cost of specified quantities and qualities of the items included in the index.

Examples of price indexes compiled by the ABS are retail price indexes, producer price indexes, and foreign trade price indexes. The current retail price index, the Consumer Price Index (CPI), was first published in August 1960 and was compiled retrospectively back to 1948. Retail prices of food and groceries and average rentals of houses have been collected by the ABS since 1901. The current series (the eleventh) of the CPI was introduced in March 1987.

During the sixties, the ABS began producing a range of price indexes covering materials used and articles produced by defined sectors of the Australian economy. The following producer price indexes (previously known as Wholesale Price Indexes) are now published monthly; Price Index of Materials Used in House Building; Price Index of Materials Used in Building Other Than House Building; Price Indexes of Materials Used in Manufacturing Industries; Price Indexes of Articles Produced by Manufacturing Industry; Price Indexes of Copper Materials and Price Indexes of Materials Used in Coal Mining. Only the Building Indexes are produced on a State basis.

The Price Indexes of Materials Used in Coal Mining was introduced in February 1989 and covers the period July 1987 to November 1988. This Index measures price movements of materials used in the mining of coal. Indexes are published separately for materials used in underground mining and in open-cut mining.

The ABS also compiles price indexes for merchandise imported into and exported from Australia. The Import Price Index is released quarterly while the Export Price Index is monthly. The first issue of the Import Price Index was released in May 1983 and covers the period September quarter 1981 to December quarter 1982. The current Export Price Index was introduced in July 1979 although prior to this an annual index of export prices was published dating back to 1901. Both the Import Price Index and Export Price Index are produced on a national basis only.

### Consumer Price Index

In 1988-89, the Consumer Price Index for Melbourne stood at 187.9 (base year 1980-81=100.0). By comparison, the weighted average of the eight Australian capital cities was 187.3.

The greatest price rise between 1983-84 and 1988-89 for both Melbourne and the weighted average of the eight Australian capital cities occurred in Housing with increases of 70.1 per cent and 76.6 per cent respectively.

The next largest price increase was in Tobacco and Alcohol, again for both Melbourne and the weighted average of the eight Australian capital cities. The increases were 65.2 per cent and 75.0 per cent respectively.

The lowest price rise occurred in Health and Personal Care for both Melbourne and the weighted average of the eight Australian capital cities with increases of 43.4 per cent and 45.6 per cent respectively.



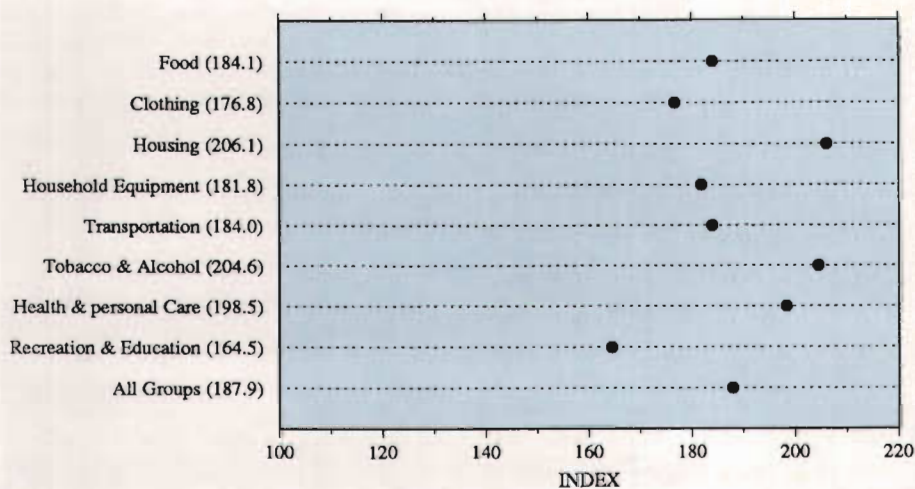
**TABLE 8.4 CONSUMER PRICE INDEX, MELBOURNE**  
(Base year: 1980-81 = 100.0)

Year	Food	Clothing	Housing	Household equipment and operation	Transportation	Tobacco and alcohol	Health and personal care (a)	Recreation and education (b)	All groups
1983-84	128.9	119.9	136.0	132.2	131.1	139.4	155.1	115.6	132.1
1984-85	135.4	127.4	149.6	138.9	138.3	151.1	128.3	120.5	138.1
1985-86	146.3	138.3	163.3	150.0	149.3	163.1	141.3	131.8	149.8
1986-87	158.9	151.6	175.6	162.0	165.6	178.7	164.2	144.5	163.9
1987-88	167.7	164.0	185.8	173.6	179.3	192.9	181.9	156.0	175.9
1988-89	184.1	176.8	206.1	181.8	184.0	204.6	198.5	164.5	187.9

(a) The Health and personal care group index for 1983-84 was affected by price changes for hospital and medical services resulting from changes to health insurance arrangements, with the introduction of the Medicare scheme on 1 February 1984.

(b) Base year: March Quarter 1982 = 100.

**CONSUMER PRICE INDEX, MELBOURNE 1988-89**



Base of index: year 1980-81 = 100.0

**TABLE 8.5 CONSUMER PRICE INDEX, ALL GROUPS, EIGHT CAPITAL CITIES**  
(Base year: year 1980-81 = 100.0)

Year	Eight capitals (a)	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra
1983-84	131.6	130.9	132.1	131.7	132.3	131.0	129.9	130.2	132.3
1984-85	137.2	136.0	138.1	137.9	138.7	136.1	136.1	135.1	138.8
1985-86	148.7	147.5	149.8	149.0	150.2	147.1	147.9	146.2	150.8
1986-87	162.6	161.4	163.9	161.8	164.0	161.8	162.5	159.3	163.4
1987-88	174.5	173.7	175.9	173.1	175.0	173.3	174.4	170.6	174.7
1988-89	187.3	187.7	187.9	185.4	187.8	186.1	185.3	178.9	186.4

(a) Weighted average of eight capital cities.



**TABLE 8.6 RETAIL PRICE INDEX NUMBERS: AUSTRALIA (a) LONG TERM LINKED SERIES**  
(Base year: 1945 = 100.0)

Year	Index number	Year	Index number	Year	Index number	Year	Index number
1919	91	1936	75	1953	205	1971	332
1920	103	1937	78	1954	206	1972	352
		1938	80	1955	211	1973	385
1921	90	1939	82	1956	224	1974	443
1922	87	1940	85	1957	229	1975	510
1923	89			1958	233	1976	579
1924	88	1941	89	1959	237	1977	650
1925	88	1942	97	1960	245	1978	702
1926	90	1943	101			1979	766
1927	89	1944	100	1961	252	1980	844
1928	89	1945	100	1962	251		
1929	91	1946	102	1963	252	1981	926
1930	87	1947	106	1964	258	1982	1,028
		1948	117	1965	268	1983	1,132
1931	78	1949	128	1966	276	1984	1,177
1932	74	1950	140	1967	286	1985	1,257
1933	71			1968	293	1986	1,370
1934	73	1951	167	1969	302	1987	1,487
1935	74	1952	196	1970	313	1988	1,594

(a) The index numbers relate to the weighted average of six State capital cities up to 1980; from 1981 they relate to the weighted average of eight capital cities

**TABLE 8.7 PRICE INDEXES OF MATERIALS USED IN BUILDING, MELBOURNE**

Group	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89
<b>House Building</b> (Base year: 1985-86 = 100.0) -						
All groups	--	93.3	100.0	105.7	114.3	125.8
<b>Other Than House Building</b> (Base year: 1979-80 = 100.0) -						
Structural timber	145.0	167.9	181.2	184.7	190.2	219.8
Clay bricks	171.9	184.3	198.7	213.7	233.8	248.5
Ready mixed concrete	132.7	150.3	152.3	156.3	159.7	176.0
Precast concrete products	140.5	148.1	154.0	161.0	173.1	185.2
Galvanised steel decking, etc.	128.6	133.5	135.8	142.0	155.5	175.2
Structural steel	133.3	140.8	150.5	160.4	175.5	195.0
Reinforcing steel bar, mesh, etc.	152.7	152.9	164.3	174.2	179.2	195.0
Aluminium windows	133.2	140.8	149.3	156.5	170.4	184.2
Steel windows, doors, louvres, etc.	140.3	149.8	157.5	169.8	180.5	209.6
Builders' hardware	160.7	170.2	187.3	201.9	212.1	233.1
Paint	163.4	176.7	193.8	215.7	231.0	249.3
Non-ferrous pipes	117.7	126.3	142.0	153.7	195.2	230.8
All groups excluding electrical materials and mechanical services	142.6	152.2	162.1	172.2	184.7	203.0
All electrical materials	143.3	151.6	165.4	188.4	222.0	254.4
All mechanical services	147.1	156.7	180.3	199.5	214.6	229.1
All plumbing materials	143.0	148.1	158.3	171.8	194.9	217.1
All groups	143.4	152.8	165.2	177.8	192.6	211.6

## HOUSEHOLD EXPENDITURE SURVEYS

**The 1988-89 Survey**

The 1988-89 Household Expenditure Survey (HES) was the fourth in a series of such surveys. Previous surveys were conducted in 1974-75, 1975-76 and 1984.

Preliminary results based on the first six months data collected in the 1988-89 HES showed that the average weekly household expenditure for Victorian households was \$534.15. The four broad commodity and service groups on which most (58.0 per cent) of the expenditure was spent were: food and non-alcoholic beverages (accounting for 18.8 per cent of total weekly household expenditure), transport and communication (14.9 per cent), current housing costs (12.3 per cent), and recreation (11.9 per cent).

By way of comparison, the preliminary average weekly household expenditure for Australian households was \$506.87. There were only two items of expenditure where Victorian households spent less than the national average; current housing costs (8.7 per cent less) and expenditure on alcoholic beverages (7.6 per cent less).

TABLE 8.8 HOUSEHOLD EXPENDITURE BY REGIONS

Particulars	1984			July-Dec 1988p	
	Melbourne	Urban	Rural	Victoria	Victoria
		regions (a)	regions (b)		
Number of households in sample	1,325	471	151	1,947	637
Estimated total number of households in population ('000)	945.3	283.2	92.1	1,320.6	1,272.8
Average number of persons per household	2.83	2.77	3.01	2.83	2.85
Average age of household head (years)	47.43	48.48	47.17	47.64	n.a.
Average weekly household income (\$)	492.49	433.27	383.97	472.22	673.03
<i>Average weekly household expenditure (\$) -</i>					
<i>Commodity or service expenditure -</i>					
Current housing costs (selected dwelling) (c)	50.46	35.42	28.49	45.70	65.80
Fuel and power	12.47	11.58	11.16	12.19	16.95
<i>Food and non-alcoholic beverages -</i>					
Bread, cakes, and cereals	8.65	7.79	7.91	8.41	n.a.
Meat and fish	16.67	14.68	15.94	16.19	n.a.
Dairy products, oils, and fats	9.23	8.72	10.29	9.19	n.a.
Fruit and vegetables	9.74	7.91	8.15	9.23	n.a.
Miscellaneous food	9.56	9.07	8.94	9.41	n.a.
Non-alcoholic beverages	4.67	4.30	3.29	4.49	n.a.
Meals out and take-away food	17.20	14.76	10.95	16.24	n.a.
<b>Total food and non-alcoholic beverages</b>	<b>75.71</b>	<b>67.23</b>	<b>65.46</b>	<b>73.18 (d)</b>	<b>100.22</b>
Alcoholic beverages	11.36	10.32	11.04	11.11	15.90
Tobacco	6.72	5.86	4.95	6.41	6.94
Clothing and footwear	25.65	21.77	16.94	24.21	32.71
Household furnishings and equipment	27.52	28.80	25.70	27.67	47.34
Household services and operations	16.25	15.01	14.45	15.86	24.95
Medical care and health expenses	15.89	14.19	14.09	15.40	22.32
Transport and communication	60.38	62.49	75.95	61.92 (e)	79.86
Recreation	48.25	39.72	40.55	45.89	63.76
Personal care	7.32	5.99	5.17	6.89	10.75
Miscellaneous commodities and services	25.24	21.28	18.01	23.89	46.66
<b>Total commodity and service expenditure</b>	<b>383.23</b>	<b>339.66</b>	<b>331.98</b>	<b>370.31</b>	<b>534.15</b>



## MANUFACTURING, MINING, AND ENERGY

*Clockwise from top:*

The Long Island Fractionation plant and crude oil tank farm on Westernport Bay.

Wire making process, BHP steel's Waratah Wire Mill, Geelong.

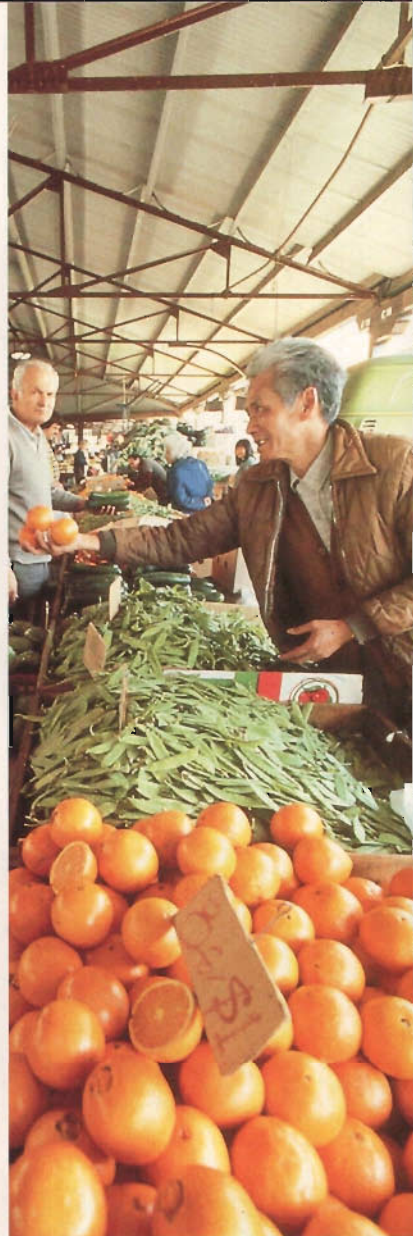
Coil storage area tunnel, Coated Products Division, Western Port.

Bass Straits' 13th production platform "Bream", used for oil and gas production by BHP/ESSO.  
(Photos: BHP Co. Ltd.)

Waste paper for recycling and converting to further paper products.  
(Photo: Australian Paper Manufacturers.)







## COMMERCE / FINANCE

*Clockwise from top left:*

Loading cargo on a container ship.  
(Photo: Port of Melbourne Authority)

Fruit and vegetable stall at Queen  
Victoria Market.  
(Photo: Victorian Tourist  
Commission)

Service area, banking chamber.  
(Photo: State Bank, Victoria)

Sorting and processing peaches for  
canned fruits export market.  
(Photo: S P C Limited)

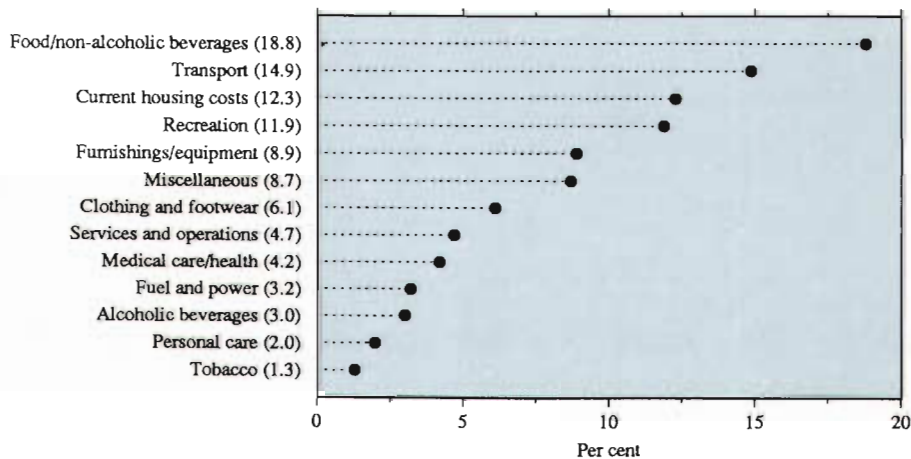


TABLE 8.8 HOUSEHOLD EXPENDITURE BY REGIONS - continued

Particulars	1984				July-Dec 1988p
	Melbourne	Urban regions (a)	Rural regions (b)	Victoria	Victoria
<i>Selected other payments - (\$)</i>					
Income tax	91.09	74.99	58.21	85.35	136.26
Mortgage payments - principal (selected dwelling)	6.77	5.90	4.52	6.43	8.33
Other capital housing costs (f)	20.54	(g) 6.63	*	16.70	19.78
Superannuation and life insurance	12.04	12.72	10.30	12.07	16.89
<b>Total selected other payments</b>	<b>130.44</b>	<b>100.23</b>	<b>81.28</b>	<b>120.54</b>	<b>181.26</b>
<b>Total</b>	<b>513.67</b>	<b>439.89</b>	<b>413.26</b>	<b>490.85</b>	<b>715.41</b>

- (a) All towns and urban centres with a population of more than 500 persons (excluding the capital city) as defined for purposes of the 1981 Census of Population and Housing.
- (b) Localities with a population of less than 500 persons and rural areas (excluding remote areas).
- (c) Included in current housing costs is the interest component of any housing loan repayments. Excluded are outright purchase, or deposit on, dwellings or land and other payments of a capital nature.
- (d) As figures are preliminary, no breakdown of food and non-alcoholic beverages is available.
- (e) 1988 figure excludes communication.
- (f) The main components of this item are the principal component of any housing loan repayment for property other than the selected dwelling, purchase of and deposit on dwellings and land or other property, and home improvements.
- (g) Subject to high standard error and therefore should be used with caution.

**AVERAGE WEEKLY HOUSEHOLD EXPENDITURE BY SELECTED  
COMMODITY/SERVICE ITEMS, VICTORIA, JULY TO DECEMBER 1988 (p)**





## EXTERNAL TRADE

## Exports

Exports from Victoria increased by 81 per cent from \$4,708m in 1983-84 to \$8,519m in 1988-89, compared with an increase of 75 per cent in Australian exports over the same period.

In 1988-89, the significant importers of Victorian origin exports were Japan (\$1,791m), United States of America (\$824m), and New Zealand (\$619m). The major commodities exported from Victoria were textile fibres and their wastes (\$1,917m), non-ferrous metals (\$1,140m), and dairy products and birds' eggs (\$481m).

## Imports

In the period 1983-84 to 1988-89, imports into Victoria increased by 95 per cent, compared with an increase of 96 per cent in imports into Australia. Available statistics do not enable assessment of the end destination of commodities imported.

In 1988-89 the significant exporters of commodities into Victoria were the United States of America (\$3,323m), Japan (\$3,172m) and the Federal Republic of Germany (\$1,325m). The major commodities exported into Victoria were road vehicles, including air cushion vehicles (\$1,676m), general industrial machinery, equipment and machine parts (\$1,058m) and textile yarns, fabrics, made-up articles and related products (\$1,013m).

**TABLE 8.9 OVERSEAS TRADE: RECORDED VALUES OF IMPORTS INTO, AND EXPORTS FROM, VICTORIA**  
(\$m)

<i>Year</i>	<i>Imports</i>	<i>Exports</i>	<i>Excess of Imports</i>
1983-84	8,186	4,708	3,478
1984-85	10,501	6,452	4,049
1985-86	12,409	6,806	5,603
1986-87	13,743	7,398	6,345
1987-88	14,015	9,051	4,964
1988-89	15,968	8,519	7,449

**TABLE 8.10 CLASSIFICATION OF OVERSEAS IMPORTS AND EXPORTS, VICTORIA**  
(\$m)

<i>Division number</i>	<i>Description</i>	<i>Imports</i>			<i>Exports</i>		
		<i>1986-87</i>	<i>1987-88</i>	<i>1988-89</i>	<i>1986-87</i>	<i>1987-88</i>	<i>1988-89</i>
00	Live animals chiefly for food	29	44	36	72	76	72
01	Meat and meat preparations	4	8	8	423	436	368
02	Dairy products and birds' eggs	34	35	40	397	440	481
03	Fish, crustaceans, and molluscs	103	93	110	55	70	66
04	Cereals and cereal preparations	28	30	29	483	409	392
05	Vegetables and fruit	87	89	132	304	313	257
06	Sugar, sugar preparations, and honey	11	16	21	7	8	8
07	Coffee, tea, cocoa, spices, and manufactures thereof	138	133	132	54	47	44
08	Feeding stuff for animals (not including unmilled cereals)	19	16	19	71	68	82



**TABLE 8.10 CLASSIFICATION OF OVERSEAS IMPORTS AND EXPORTS,  
VICTORIA - continued**  
(\$m)

Division number	Description	Imports			Exports		
		1986-87	1987-88	1988-89	1986-87	1987-88	1988-89
09	Miscellaneous edible products and preparations	23	25	27	14	17	34
11	Beverages	52	60	72	21	38	39
12	Tobacco and tobacco manufactures	30	34	27	3	4	2
21	Hides, skins, and fur skins (raw)	3	5	5	230	282	209
22	Oil seeds and oleaginous fruit	4	8	16	9	4	8
23	Crude rubber (including synthetic and reclaimed)	50	60	67	5	7	8
24	Cork and wood	105	130	163	2	2	2
25	Pulp and waste paper	45	83	75	14	13	11
26	Textile fibres and their wastes	92	100	108	1,279	1,864	1,917
27	Crude fertilisers and crude minerals (excluding coal, petroleum, and precious stones)	51	54	72	2	5	7
28	Metalliferous ores and metal scrap	2	3	3	20	29	39
29	Crude animal and vegetable materials, n.e.s.	35	35	35	32	43	43
32	Coal, coke, and briquettes	1	1	1	7	4	2
33	Petroleum, petroleum products, and related materials	369	318	329	960	1,020	474
34	Gas, natural and manufactured	-	-	-	-	8	6
41	Animal oils and fats	-	-	1	12	10	11
42	Fixed vegetable oils and fats	26	34	37	4	3	2
43	Animal and vegetable oils and fats, processed and waxes of animal or vegetable origin	23	21	11	4	5	4
51	Organic chemicals	198	246	242	4	2	4
52	Inorganic chemicals	45	55	77	22	21	21
53	Dyeing, tanning, and colouring materials	60	77	104	9	13	15
54	Medicinal and pharmaceutical products	66	95	125	32	32	40
55	Essential oils and perfume materials; toilet, polishing, and cleansing preparations	47	54	49	8	10	12
56	Fertilisers manufactured	28	35	32	-	-	-
57	Explosives and pyrotechnic products	6	6	4	-	-	-
58	Artificial resins and plastic materials, cellulose esters and ethers	251	304	353	22	23	36
59	Chemical materials and products, n.e.s.	131	164	124	28	28	43
61	Leather, leather manufactures, n.e.s., and dressed fur skins	85	90	85	25	47	42
62	Rubber manufactures, n.e.s.	140	175	199	15	25	33
63	Cork and wood manufactures (excluding furniture)	51	53	62	2	3	4
64	Paper, paperboard, and articles of paper pulp, of paper, or of paperboard	399	451	478	35	32	37

**TABLE 8.10 CLASSIFICATION OF OVERSEAS IMPORTS AND EXPORTS,  
VICTORIA - continued**  
(\$m)

Division number	Description	Imports			Exports		
		1986-87	1987-88	1988-89	1986-87	1987-88	1988-89
65	Textile yarn, fabrics, made-up articles, n.e.s., and related products	933	949	1013	54	60	62
66	Non-metallic mineral manufactures, n.e.s.	237	258	287	35	39	37
67	Iron and steel	208	272	323	128	115	130
68	Non-ferrous metals	69	83	118	183	653	1,140
69	Manufactures of metal n.e.s.	410	459	486	95	119	134
71	Power generating machinery and equipment	558	504	567	227	262	181
72	Machinery specialised for particular industries	643	709	839	57	48	54
73	Metalworking machinery	227	170	159	9	13	11
74	General industrial machinery and equipment, n.e.s. and machine parts n.e.s.	762	866	1,058	70	79	99
75	Office machines and automatic data processing equipment	284	291	409	30	19	21
76	Telecommunications and sound recording and reproducing apparatus and equipment	549	519	602	11	27	44
77	Electrical machinery, apparatus, and appliances n.e.s., and electrical parts thereof	740	824	899	68	69	84
78	Road vehicles (including air cushion vehicles)	1,109	1,266	1,676	248	284	160
79	Other transport equipment	823	142	443	29	58	77
81	Sanitary, plumbing, heating, and lighting fixtures and fittings n.e.s.	31	39	49	6	3	6
82	Furniture and parts thereof	82	82	89	15	11	9
83	Travel goods, handbags, and similar containers	66	63	62	-	-	2
84	Articles of apparel and clothing accessories	360	397	416	14	23	25
85	Footwear	119	145	186	3	3	5
87	Professional, scientific and controlling instruments, and apparatus n.e.s.	354	368	417	69	78	77
88	Photographic apparatus, equipment and supplies and optical goods n.e.s.; watches and clocks	273	278	273	155	188	151
89	Miscellaneous manufactured articles n.e.s.	625	695	798	70	100	101
9A	Commodities and transactions of merchandise trade n.e.c.	1,140	1,124	917	1,087	1,227	907
<b>Total</b>		<b>13,743</b>	<b>14,015</b>	<b>15,968</b>	<b>7,398</b>	<b>9,051</b>	<b>8,519</b>

TABLE 8.11 OVERSEAS IMPORTS AND EXPORTS, COUNTRIES OF ORIGIN AND  
CONSIGNMENT, VICTORIA  
(\$m)

Description	Imports			Exports		
	1986-87	1987-88	1988-89	1986-87	1987-88	1988-89
Belgium-Luxembourg	118	130	144	25	49	32
Brazil	81	139	191	12	6	9
Canada	220	282	321	101	95	93
China -						
Excluding Taiwan Province	264	399	447	396	442	399
Taiwan Province only	616	667	735	252	291	311
Denmark	73	79	83	3	10	6
Egypt, Arab Republic of	-	1	2	100	78	95
Fiji	5	5	7	65	43	58
Finland	107	128	144	4	4	5
France	278	303	339	147	210	201
Germany, Federal Republic of	1,328	1,324	1,325	293	267	263
Hong Kong	331	310	315	406	683	502
India	73	87	96	82	118	105
Indonesia	71	124	111	67	75	83
Iran	2	2	3	93	97	61
Italy	405	445	493	156	266	226
Japan	999	2,615	3,172	-	1,461	1,791
Korea, Republic of	313	381	457	282	383	504
Kuwait	64	57	51	37	27	26
Malaysia	151	202	211	137	138	157
Nauru, Republic of	16	20	27	9	10	10
Netherlands	174	172	194	62	41	41
New Zealand	542	605	687	586	711	619
Pakistan	35	35	42	21	21	16
Papua New Guinea	55	41	30	168	208	155
Philippines	44	41	53	93	80	129
Poland	7	10	20	26	39	37
Saudi Arabia	114	68	70	90	105	72
Singapore	200	241	317	315	341	319
South Africa	39	26	31	29	41	34
Spain	50	56	79	85	76	29
Sweden	257	311	332	10	13	12
Switzerland	155	170	159	10	8	10
Thailand	121	131	160	94	121	154
U.S.S.R.	5	7	19	141	166	260
United Kingdom	996	1,060	1,190	268	500	281
United States of America	3,395	2,849	3,323	1,052	1,194	824
Yugoslavia	16	22	21	33	33	32
Other and unknown	391	513	567	571	600	558
<b>Total</b>	<b>13,746</b>	<b>19,015</b>	<b>15,968</b>	<b>7,402</b>	<b>9,051</b>	<b>8,519</b>



## REFERENCES

The latest year for which ABS estimates are available for State Gross Domestic product (GDP) at factor cost is 1985-86. In order to bring the series up to 1986-87, use was made of estimates for gross operating surplus prepared by the Victorian Department of Management and Budget.

Wholesale trade statistics were last produced from a Wholesale Trade Survey which the ABS conducted in respect of the year 1981-82.

Retail trade statistics are collected by the ABS through periodical censuses and regular sample surveys. Statistics on the performance and structure of the retail sector have been compiled from periodical censuses for the years 1947-48, 1948-49, 1952-53, 1956-57, 1961-62, 1968-69, 1973-74, 1979-80, and 1985-86.

The CPI measures quarterly changes in the price of a 'basket' of goods and services which account for a high proportion of expenditure by metropolitan wage and salary earner households. This 'basket' covers a wide range of goods and services, arranged in the following eight groups: food; clothing; housing; household equipment and operation; transportation; tobacco and alcohol; health and personal care; and recreation and education. Each group is in turn divided into sub groups, and the sub groups into expenditure classes.

Producer Price Indexes were formerly described as Wholesale Price Indexes. Index numbers for each month, together with more detailed information concerning the methods used in compiling these indexes, are shown in the bulletins published for each index. For further information refer to the *Victorian Year Book 1986*, pages 331-7.

The ABS has conducted four surveys of household expenditure to obtain data about the expenditure patterns of private households. These took place during 1974-75, 1975-76, 1984 and 1988-89. Note that comparison of results between Surveys must be made with care as there are significant methodological and conceptual differences. Further information on the 1974-75 and 1975-76 surveys can be found in the *Victorian Year Book 1979*, pages 505-10.

Overseas trade statistics are compiled by the Australian Bureau of Statistics from documentation submitted by exporters or importers, or their agents, to the Australian Customs Service, as required by the Customs Act.

The statistics presented in this chapter are recorded on a *general trade basis*, i.e. total exports include both Australian produce and re-exports, and total imports comprise goods entered directly for domestic consumption, together with goods imported into customs warehouses.

State statistics for exports comprise State of origin or State of final shipment. 'State of origin' is defined as the State in which the final stage of production or manufacture occurs. For imports, the State is that in which the import entry was lodged with the Australian Customs Service.

## ABS publications

- Balance of Payments, Australia* (5301.0)
- Foreign Trade, Australia, Part 2: Comparative and Summary Tables* (5410.0)
- Exports and Imports, Australia: Trade with Selected Countries and Major Country Groups* (5422.0)
- Exports of Major Commodities and Their Principal Markets, Australia* (5423.0)
- Exports, Australia: Annual Summary Tables* (5424.0)
- Imports, Australia: Annual Summary Tables* (5426.0)
- Exports, Australia, Monthly Summary Tables* (5432.0)
- Imports, Australia, Monthly Summary Tables* (5433.0)
- Exports, Australia* (5434.0)
- Imports, Australia* (5435.0)
- Foreign Trade, Australia, Exports* (5436.0)
- Foreign Trade, Australia, Imports* (5437.0)
- Consumer Price Index (quarterly)* (6401.0)
- Average Retail Prices of Selected Items, Eight Capital Cities (quarterly)* (6403.0)
- Export Price Index, Australia (monthly)* (6405.0)
- Price Index of Materials Used in Building Other than House Building, Six State Capital Cities and Darwin (monthly)* (6407.0)
- Price Index of Materials Used in House Building, Six State Capital Cities (monthly)* (6408.0)
- Price Indexes of Copper Materials, Australia (monthly)* (6410.0)
- Price Indexes of Materials Used in Manufacturing Industries, Australia (monthly)* (6411.0)
- Price Indexes of Articles Produced by Manufacturing Industry, Australia (monthly)* (6412.0)
- Import Price Index, Australia (quarterly)* (6414.0)
- Price Indexes of Materials Used in Coal Mining, Australia (monthly)* (6415.0)
- A guide to the Consumer Price Index* (6440.0)
- The Australian Consumer Price Index: Concepts, Sources and Methods* (6461.0)
- 1984 Household Expenditure Survey, Victoria* (6501.2)
- Information Paper: 1988-89 Household Expenditure Survey, Australia* (6527.0)
- 1988-89 Household Expenditure Survey, Australia*
  - Preliminary (June to December)* (6528.0)
  - Summary of Results* (6530.0)
  - Household Characteristics* (6531.0)
  - Specific Commodities* (6532.0)
  - Household Expenditure by States and Territories* (6533.0)
  - Consumer Credit Expenditure* (6534.0)
  - Detailed Expenditure Items* (6535.0)
  - Changes in Household Expenditure between 1975-76 and 1988-89* (6536.0)
  - Information Paper: Sample File on Magnetic Tape* (6544.0)
- Retail Trade, Australia, (monthly)* (8501.0)
- Retail Industry: Details of Operations, Australia, 1985-86,* (8622.0)
- Retail Industry: Details of Operations, Victoria, 1985-86,* (8622.2)
- Retail Industry: Small Area Statistics, Victoria, 1985-86,* (8623.2)
- Retail Industry: Small Area Statistics, Victoria, 1985-86, Data on Floppy Disk, Technical Details and Explanatory Notes* (8641.2)
- Wholesale Establishments: Details of Operations by Industry Class, Australia, 1981-82* (8638.0)



# 9

## FINANCE

This chapter provides details of the financial activities of the Victorian State Government, Victorian local government authorities, and that of some financial institutions operating in Victoria, such as building societies, credit co-operative societies, and the Australian Stock Exchange (Melbourne) Limited.

### Public finance

Three levels of government, Commonwealth, State, and Local, collectively constitute the public sector in Australia. The public sector finance statistics presented in this chapter exclude public financial enterprises (government savings banks, insurance offices, etc.).

State government enterprises discussed in this chapter include the central government of Victoria, statutory bodies created by or under State legislation to carry out activities on behalf of the central government, and incorporated organisations in which the central government has a controlling interest.

The public finance tables in this chapter cover the State government and Local government components of the non-financial public sector. A series of summary tables show, on a consolidated basis, revenue, outlays and financing transactions and the purposes that are being served by government expenditure programs.

### Outlays

Current outlays in 1987-88 were \$11,637.6m, which was an increase of 7 per cent on the previous year (\$10,814.1m). The largest component of this outlay was on final consumption expenditure which in 1987-88 was \$6,924.4m, an increase of 8 per cent on 1986-87 (\$6,401.1m). Current grants of \$1041.6m in 1987-88 constituted a 7 per cent increase on 1986-87 (\$973.2m). Interest payments in 1987-88 were \$2,627.2m, an increase of 15 per cent on 1986-87 (\$2,281.4m).

In 1987-88 government final consumption expenditure on education and on health was \$2,924.3m and \$2,021.7m respectively, constituting 42 per cent and 29 per cent of total government final consumption expenditure of \$6,924.4m. Final consumption expenditure on general public services showed the largest increase of 17 per cent between the \$600.0m spent in 1986-87 and \$700.4m spent in 1987-88.

Capital outlays in 1987-88 were \$2,689.9m, which was an increase of only 0.4 per cent on 1986-87 (\$2,678.3m). Expenditure on new fixed assets was the major item in these outlays. In 1987-88 this expenditure was \$2,670.9m. Housing and Community Amenities (\$714.9m), Fuel and Energy (\$687.7m) and Transport and Communications (\$566.2m) together comprised 74 per cent of the total expenditure on new fixed assets.

### Revenue

Revenue and grants received in 1987-88 were \$12,053.4m, an 8 per cent increase on 1986-87 (\$11,172.1m). The proportion received from the Commonwealth Government in the form of grants was \$5,513.1m or 46 per

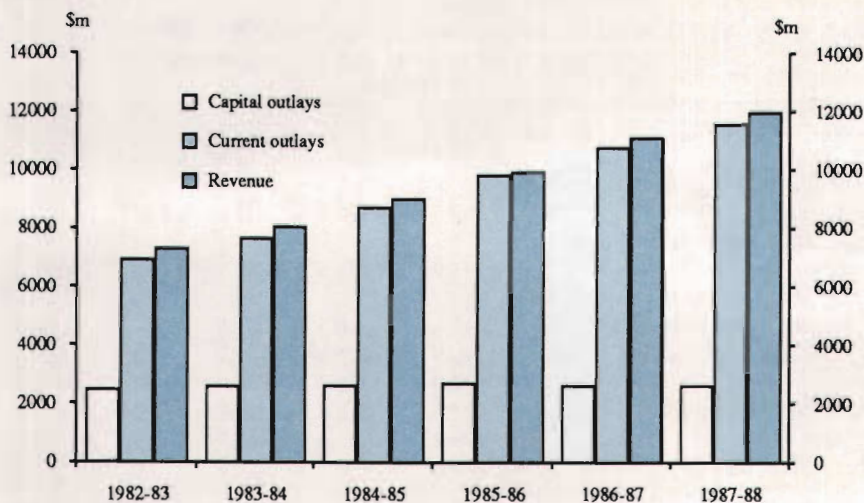


cent, while \$4,419.3m. was received as taxes, fees, and fines (37 per cent). The annual deficit in 1987-88 was \$1,604.0m, a 3 per cent decrease from the 1987-88 deficit of \$1,656.7m.

**TABLE 9.1 STATE GOVERNMENT - SUMMARY OF TRANSACTIONS CLASSIFIED BY ECONOMIC TRANSACTIONS FRAMEWORK**  
(\$ million)

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Current outlays -	6,989.8	7,727.2	8,786.6	9,885.9	10,841.1	11,637.6
General government final consumption expenditure	4,262.6	4,737.8	5,325.6	5,861.0	6,401.1	6,924.4
Required current transfer payments (interest only)	1,393.9	1,521.5	1,812.1	2,132.4	2,281.4	2,627.2
Unrequired current transfer payments -						
Subsidies paid to enterprises	547.4	610.5	687.5	867.8	1,054.7	856.0
Personal benefit payments	140.9	126.1	122.0	122.8	126.3	181.9
Current grants -	644.0	730.7	837.9	902.4	973.2	1,041.6
to non-profit institutions	444.6	513.8	571.7	619.0	691.9	717.1
to local authorities	199.2	216.6	265.9	283.1	281.2	324.3
Other current transfer payments	1.0	0.5	1.7	-0.5	5.1	4.0
Capital outlays -	2,541.7	2,655.9	2,672.3	2,758.9	2,678.3	2,689.9
Gross fixed capital expenditure -	2,361.1	2,404.0	2,413.6	2,532.2	2,504.7	2,409.1
Expenditure on new fixed assets	2,348.2	2,423.7	2,476.0	2,587.9	2,670.4	2,670.9
Expenditure on secondhand fixed assets (net)	12.9	-19.8	-62.5	-55.7	-165.7	-261.7
Increase in stocks	17.4	11.9	19.7	30.9	5.1	28.0
Expenditure on land and intangible assets (net)	47.7	52.5	56.8	-12.6	-6.7	54.8
Capital transfer payments -	117.7	189.2	237.7	199.6	139.4	172.0
Capital grants -						
to Local government	100.5	125.7	164.9	118.2	90.9	115.3
to other sectors	17.2	21.8	37.2	65.1	38.1	50.3
Other capital transfer payments	-	41.6	35.7	16.3	10.4	6.4
Advances paid (net) -	-2.2	-1.6	-55.4	8.8	35.8	26.0
to Local governments	0.7	1.8	2.6	2.5	-0.5	-1.3
to other sectors	-10.8	-11.9	-23.1	-4.0	11.4	8.6
Revenue and grants received -	7,372.5	8,118.1	9,076.9	9,979.7	11,172.1	12,053.4
Taxes, fees, and fines	2,639.2	2,783.2	3,140.7	3,431.7	3,872.9	4,419.3
Net operating surpluses of public trading enterprises	714.5	671.4	746.5	963.6	1,387.0	1,414.6
Property income and other revenue	405.8	535.4	603.6	683.6	665.1	706.5
Grants received from Commonwealth Government	3,612.9	4,128.2	4,586.1	4,900.7	5,247.2	5,513.1
Financing transactions -	2,159.1	2,265.0	2,382.0	2,665.0	2,347.9	2,274.0
Increase in provisions	230.5	493.4	662.3	701.6	691.2	670.0
Deficit	1,928.6	1,771.6	1,719.7	1,963.4	1,656.7	1,604.0
Deficit financing -						
Net advances received from Commonwealth Government	234.4	228.5	181.4	177.7	117.0	15.4
Other deficit financing	1,694.2	1,543.1	1,538.3	1,785.7	1,539.7	1,588.6

### SUMMARY OF CAPITAL AND CURRENT OUTLAYS AND REVENUE AND GRANTS RECEIVED, VICTORIA



**TABLE 9.2 STATE GOVERNMENT - GENERAL GOVERNMENT FINAL CONSUMPTION  
EXPENDITURE CLASSIFIED BY GOVERNMENT PURPOSE, VICTORIA**  
(\$ million)

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
General public services	322.6	352.0	416.0	479.5	600.0	700.4
Public order and safety	419.8	443.5	468.0	536.9	564.7	605.1
Education -	1,979.9	2,240.7	2,341.2	2,603.5	2,763.8	2,924.3
Primary and secondary education	1,197.5	1,401.1	1,464.9	1,545.5	1,605.1	1,627.7
Tertiary	650.2	706.4	730.5	878.5	949.0	1,044.9
Other	132.3	133.2	145.8	179.4	209.6	251.8
Health -	1,085.1	1,213.4	1,475.8	1,616.8	1,817.1	2,021.7
Hospital and other institutional services and benefits	984.3	1,107.1	1,328.7	1,478.4	1,671.5	1,855.9
Clinics and other non-institutional services and benefits	50.0	52.4	54.8	35.3	32.3	27.1
Other	50.7	53.8	92.2	103.1	113.4	138.7
Social security and welfare	78.6	94.9	95.6	109.6	146.6	149.1
Housing and community amenities -	41.4	48.5	45.4	40.3	43.9	45.2
Housing and community development	28.5	32.7	33.7	30.8	36.5	37.8
Water supply	-	-	1.4	1.5	0.7	1.7
Sanitation and protection of the environment	12.9	15.9	10.2	8.0	6.7	5.6
Other community amenities	-	-	-	-	0.1	0.1
Recreation and culture	27.4	28.0	77.4	101.3	100.0	101.3

**TABLE 9.2 STATE GOVERNMENT - GENERAL GOVERNMENT FINAL CONSUMPTION  
EXPENDITURE CLASSIFIED BY GOVERNMENT PURPOSE, VICTORIA - *continued***  
(\$ million)

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Fuel and energy -	5.5	7.1	2.9	4.2	5.9	7.3
Fuel affairs and services	0.3	-	0.3	-0.3	-0.3	0.7
Electricity and other energy	4.5	5.8	0.1	0.5	0.6	0.6
Fuel and energy n.e.c.	0.7	1.3	2.6	4.1	5.6	6.0
Agriculture, forestry, fishing, and hunting	122.3	137.5	145.1	127.8	133.9	144.6
Mining, manufacturing, and construction	9.7	11.8	7.1	5.2	5.6	6.4
Transport and communications -	68.0	91.2	121.5	136.8	133.6	133.3
Road transport	91.1	99.2	101.7	118.9	125.3	131.1
Water transport	-5.1	-1.0	2.9	2.6	-10.9	-10.6
Rail transport	-8.5	-4.9	0.1	-	-	-
Other	-9.5	-2.1	16.9	15.4	19.1	12.8
Other economic affairs	39.1	42.4	125.2	95.2	83.6	82.2
Other purposes	63.3	26.8	4.5	3.9	2.4	3.4
<b>Total</b>	<b>4,262.6</b>	<b>4,737.5</b>	<b>5,325.6</b>	<b>5,861.0</b>	<b>6,401.1</b>	<b>6,924.4</b>

**TABLE 9.3 STATE GOVERNMENT - EXPENDITURE ON NEW FIXED ASSETS  
CLASSIFIED BY GOVERNMENT PURPOSE, VICTORIA**  
(\$ million)

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
General public services	15.7	16.6	13.2	20.4	18.5	10.9
Defence	-	-	1.2	0.3	0.4	-
Public order and safety	28.9	46.6	67.0	90.5	114.1	144.2
Education -	158.7	188.8	240.4	247.2	260.5	226.6
Primary and secondary education	78.1	107.1	119.7	113.9	103.8	83.5
Tertiary education	72.9	75.6	107.1	118.9	145.6	130.7
Other	7.7	6.1	13.7	14.4	11.2	12.4
Health -	59.2	69.7	102.3	131.3	158.3	161.1
Hospital and other institutional services and benefits	55.7	65.8	98.2	121.6	148.6	154.4
Clinics and other non-institutional services and benefits	0.5	-	-	2.3	1.5	2.5
Other	2.9	3.9	4.1	7.4	8.3	4.2
Social security and welfare	1.9	3.3	3.7	6.7	6.3	11.5
Housing and community amenities -	569.5	570.2	563.2	632.6	696.9	714.9
Housing and community development	145.3	200.4	200.8	249.4	275.4	272.2
Water supply	214.1	192.7	182.1	165.3	179.0	174.1
Sanitation and protection of the environment	209.6	176.9	180.2	217.9	242.5	268.6
Other community amenities	0.5	0.3	-	-	-	-
Recreation and culture	45.2	37.6	35.4	48.5	71.3	60.8
Fuel and energy -	907.3	699.7	712.3	675.5	570.8	687.7
Fuel affairs and services	133.5	130.4	84.0	103.0	97.2	84.0
Electricity and other energy	773.7	569.3	628.2	572.2	473.4	603.6
Fuel and energy n.e.c.	-	-	-	0.2	0.2	0.1
Agriculture, forestry, fishing, and hunting	72.5	74.7	35.1	35.8	42.2	52.4
Mining, manufacturing, and construction	1.1	1.3	0.6	0.3	0.1	4.1



**TABLE 9.3 STATE GOVERNMENT - EXPENDITURE ON NEW FIXED ASSETS  
CLASSIFIED BY GOVERNMENT PURPOSE, VICTORIA - *continued***  
(\$ million)

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Transport and communications -	456.5	697.6	676.3	667.0	696.1	566.2
Road transport	178.9	265.2	273.2	351.9	369.9	319.6
Water transport	28.9	33.5	30.0	24.0	23.9	15.8
Rail transport	218.4	198.2	134.5	100.6	100.0	99.2
Other	30.2	200.7	238.7	190.4	202.4	131.5
Other economic affairs	31.6	16.1	25.4	31.9	34.9	29.2
Other purposes	-	1.5	-	-	-	1.1
<b>Total</b>	<b>2,348.2</b>	<b>2,423.7</b>	<b>2,476.0</b>	<b>2,587.9</b>	<b>2,670.4</b>	<b>2,670.9</b>
Comprised of -						
General government	605.2	756.4	811.6	976.0	1,072.5	1,039.7
Public trading enterprises	1,743.0	1,667.3	1,664.5	1,611.9	1,597.9	1,631.2

In 1987-88 taxes, fees and fines totalled \$4,419.3m, an increase of 14 per cent on the 1986-87 figure of \$3,872.9m. Employer's payroll tax was the largest single item of taxation, being 28 per cent of the total. The actual amount in 1987-88 was \$1,231.6m, an increase of 11 per cent on 1986-87 (\$1,108.4m). Taxes on financial and capital transactions (stamp duties and financial institutions' taxes) were \$1,118.2m in 1987-88, an increase of 36 per cent on 1986-87 (\$819.1). Taxes on provision of goods and services (levies on statutory corporations, taxes on gambling and insurance) totalled \$829.9m in 1987-88, an increase of 6 per cent on 1986-87 (\$778.6m). Motor vehicle taxes were \$407.8m in 1987-88, an increase of 3 per cent on 1986-87 (\$394.4m). Petroleum products franchise taxes showed an 11 per cent increase from \$214.6m in 1986-87 to \$237.5m in 1987-88.

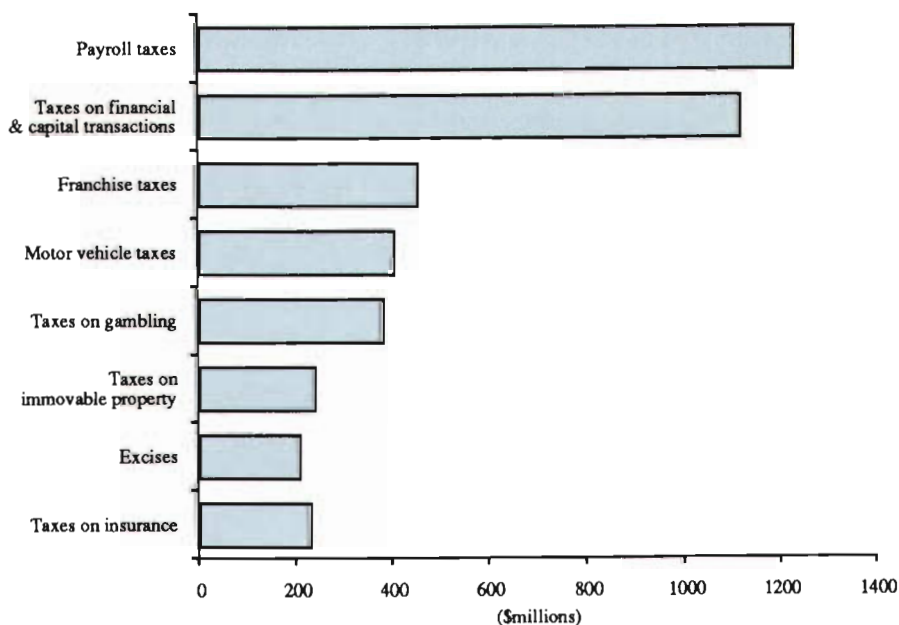
**TABLE 9.4 STATE GOVERNMENT TAXES, FEES, AND FINES BY TYPE, VICTORIA**  
(\$ million)

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Employers' payroll taxes	809.3	833.4	924.8	1,029.8	1,108.4	1,230.8
Taxes on property -	520.7	614.5	757.3	887.4	1,046.5	1,361.5
Taxes on immovable property -	163.0	167.1	178.7	210.6	225.6	242.6
Land taxes	139.3	143.1	153.3	183.0	195.3	209.5
Metropolitan improvement rates	23.6	23.9	25.4	27.6	30.3	33.1
Estate inheritance and gift duty	43.0	30.2	8.5	2.2	1.8	0.7
Taxes on financial and capital transactions -	314.7	417.2	570.1	674.7	819.1	1,118.2
Stamp duties	275.2	336.3	479.4	569.7	699.5	978.8
Financial institutions' taxes	39.5	80.9	90.7	105.0	119.5	139.4
Taxes on provision of goods and services -	665.8	633.0	687.4	682.7	778.6	829.9
Excises (levies on statutory corporations)	209.5	142.8	165.1	178.8	217.9	211.1
Taxes on gambling -	219.3	254.8	298.6	311.6	352.5	385.4
Taxes on private lotteries	130.4	155.4	183.3	180.0	208.1	225.8
Race betting taxes	86.3	96.7	112.3	128.5	140.9	155.3
Taxes on gambling n.e.c.	2.5	2.7	3.0	3.1	3.4	4.4

**TABLE 9.4 STATE GOVERNMENT TAXES, FEES, AND FINES BY TYPE,  
VICTORIA - *continued***  
(\$ million)

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Taxes on insurance -	237.0	235.4	223.8	191.8	208.2	233.4
Insurance companies' contributions to fire brigades	77.4	76.1	83.5	92.3	105.6	114.6
Third party insurance taxes	18.9	19.0	10.3	-	-	-
Taxes on insurance n.e.c.	140.7	140.3	130.0	99.5	102.7	118.8
Taxes on use of goods and performance of activities -	574.9	635.7	692.4	758.7	825.1	880.5
Motor vehicle taxes -	286.4	313.8	347.1	375.0	394.4	407.8
Vehicle registration fees and taxes	175.8	177.6	177.7	190.4	202.7	196.6
Stamp duty on vehicle registration	80.0	101.1	133.5	151.4	163.4	180.7
Drivers' licences	30.5	35.1	35.9	33.2	28.3	30.5
Franchise taxes -	215.1	308.2	372.4	403.2	416.7	455.7
Gas franchise taxes	-	-	0.2	0.1	0.3	0.1
Petroleum products franchise taxes	109.5	151.6	192.4	210.8	214.6	237.5
Tobacco franchise taxes	47.8	83.8	104.6	111.5	113.4	123.6
Liquor franchise taxes	57.8	72.8	75.2	80.7	88.4	94.4
Other taxes on use of goods etc	73.5	13.6	-27.1	-19.5	14.0	17.0
Fees and fines	68.5	66.6	78.7	73.6	114.3	116.6
Compulsory Fees	33.0	24.6	33.1	31.4	64.5	67.5
Tertiary Education Fees	-	-	-	-	28.4	31.8
Fines	35.5	42.0	45.6	42.2	49.8	49.2
<b>Total</b>	<b>2,639.2</b>	<b>2,783.2</b>	<b>3,140.7</b>	<b>3,431.7</b>	<b>3,872.9</b>	<b>4,419.3</b>

**STATE TAXATION VICTORIA, 1987-88**





### Commonwealth Government payments to Victoria

The Commonwealth Government has made payments of various kinds to the States since Federation. With the introduction in 1942 of the uniform tax arrangements (under which the Commonwealth became the sole Government imposing taxes on income) the Commonwealth Government began to make annual tax reimbursement grants to the States. Specific purpose payments to the States also increased, reflecting the extending range of government activities.

Tax reimbursement grants were replaced in 1959-60 by 'financial assistance grants' which continued up to the year 1975-76. Since 1976-77 general revenue grants to the States have included local government and have been based on shares of Commonwealth tax. In 1978 legislation was passed giving States the right to either impose a surcharge or grant a rebate on personal income tax to be collected or paid by the Commonwealth on behalf of the State.

As part of changes to its fiscal policy, the Commonwealth Government in 1985-86 discontinued the tax sharing agreements with the States under which general revenue grants to the States were determined for a period of three to five years. Since 1985-86 these grants have been determined on a yearly basis.

Payments by the Commonwealth, under the tax sharing policy, to local government are in the form of untied grants for general purpose assistance, paid in the first instance to the States for passing on to local government municipalities. The Victorian Grants Commission formally constituted in 1977, has as its primary role the allocation of this grant between municipalities in Victoria. There are also direct payments by the Commonwealth Government to local government authorities; in addition to Commonwealth programs under which a portion of funds made available to the States is passed on to local government authorities. Further details of the Commonwealth Government relations with the States and local government are contained in *Commonwealth Budget Paper No 4: Commonwealth Financial Relations with other levels of Government 1988-89*.

General purpose grants, both capital and recurrent from the Commonwealth to Victoria in 1987-88 totalled \$3,160.8m, a 5 per cent increase from the \$3,014.2m in 1986-87. Specific purpose grants for recurrent and capital purposes in 1987-88 totalled \$2,352.4m, a 6 per cent increase on the 1986-87 figure of \$2,225.6m. Education (\$1,276.9m), Health (\$339.7m), and Transport (\$250.3m) together comprised 79 per cent of total specific purpose grants.

In addition to these grants the Commonwealth Government also made repayable advances to the States for various purposes. Total net advances to Victoria were \$15.4m in 1987-88, a decrease of 87 per cent on 1986-87 (\$117.0m).

**TABLE 9.5 COMMONWEALTH GOVERNMENT GRANTS TO OR FOR THE STATE AND LOCAL GOVERNMENT AUTHORITIES (a) VICTORIA**  
(\$ million)

<i>Nature of Payment</i>	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
General revenue funds -						
Tax sharing grants	1,743.4	1,926.2	2,019.9	-	-	-
Financial assistance grants	-	-	-	2,248.3	2,494.0	2,667.3
Special revenue assistance	19.5	62.8	31.0	-	0.4	3.6
Health grants	300.5	323.2	344.2	371.0	411.9	441.6
<b>General revenue</b>	<b>2,063.4</b>	<b>2,312.3</b>	<b>2,395.1</b>	<b>2,619.3</b>	<b>2,906.3</b>	<b>3,112.5</b>



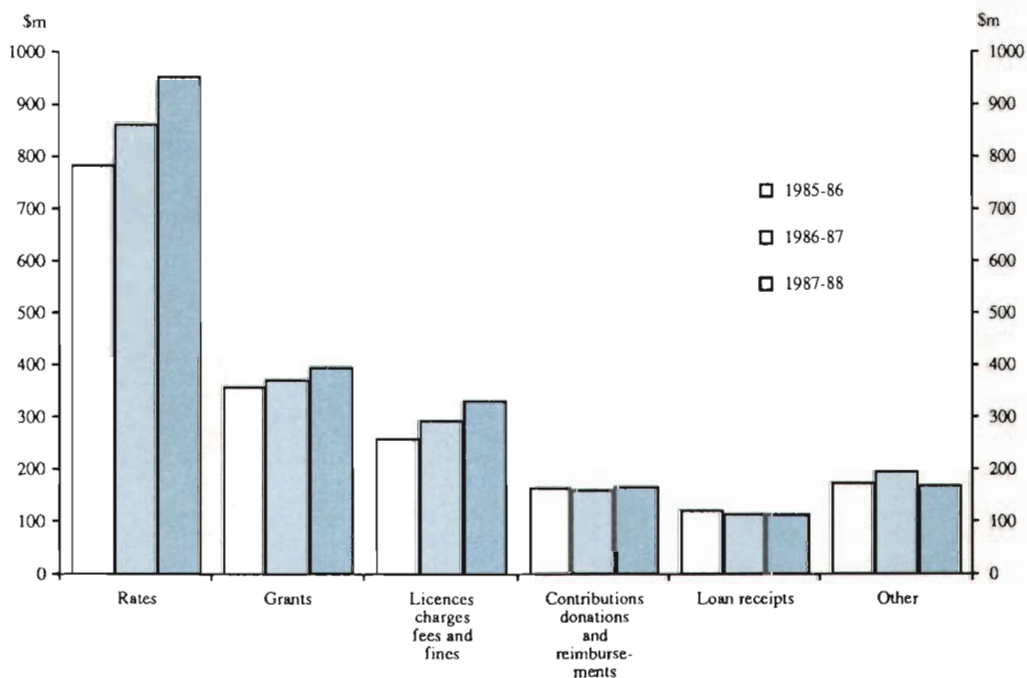
**TABLE 9.5 COMMONWEALTH GOVERNMENT GRANTS TO OR FOR THE STATE AND LOCAL GOVERNMENT AUTHORITIES (a) VICTORIA - *continued***  
(\$ million)

<i>Nature of Payment</i>	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
General purpose capital funds -						
Capital works grant	115.0	123.0	131.0	140.2	107.9	48.3
Specific purpose grants for						
recurrent and capital purposes -						
Interest on State debt	4.3	4.3	4.3	-	-	-
Sinking fund on State debt (b)	11.4	11.4	11.8	12.3	12.7	12.8
Education	910.9	990.2	1,095.6	1,161.8	1,203.0	1,276.9
Health	4.5	84.4	254.4	279.1	294.4	339.7
Social security and welfare	21.1	21.8	32.4	37.6	51.2	73.7
Housing and Community Amenities nec	89.9	131.5	141.5	148.9	158.2	159.4
Transport	213.9	230.9	267.5	253.9	254.0	250.3
Industry Assistance and Development	12.3	14.5	14.4	17.6	28.6	20.3
Culture and Recreation	1.0	3.1	6.1	6.1	5.8	5.5
Labour and Employment	37.3	105.7	94.4	68.7	46.2	23.6
Local government general purpose assistance	108.0	116.9	123.8	136.4	147.7	165.8
Other economic affairs and purposes	100.2	43.3	18.6	21.2	23.8	24.4
Specific purpose	1,514.8	1,758.0	2,064.8	2,143.6	2,225.6	2,352.4
General purpose	2,178.4	2,435.3	2,526.1	2,759.5	3,014.2	3,160.8
<b>Total Commonwealth grants</b>	<b>3,693.2</b>	<b>4,193.3</b>	<b>4,590.9</b>	<b>4,903.1</b>	<b>5,239.8</b>	<b>5,513.2</b>

(a) Excludes subsidies and bounties to primary producers, and cash benefits payments to persons in Victoria paid by Commonwealth departments.

(b) Paid to National Debt Sinking Fund.

**LOCAL GOVERNMENT ORDINARY SERVICES -  
REVENUE ALL SOURCES, VICTORIA  
1985-86 to 1987-88**



**TABLE 9.6 VICTORIAN LOCAL GOVERNMENT: ORDINARY SERVICES REVENUE,  
LOAN RECEIPTS AND OUTLAY (a)**

Particulars	1985-86		1986-87		1987-88	
	\$'000	Per cent	\$'000	Per cent	\$'000	Per cent
<b>Revenue -</b>						
Rates (incl. penalties); ex-gratia receipts	786,832	41.9	867,069	43.0	956,223	44.6
Garbage (incl. rates and charges)	42,726	2.3	47,053	2.3	55,831	2.6
Other charges	166,401	8.9	192,517	9.5	210,238	9.8
Government grants -						
General purpose	136,565	7.3	149,630	7.4	165,092	7.7
Specific purpose -						
Capital	81,340	4.3	75,066	3.7	76,314	3.6
Current	143,273	7.6	149,689	7.4	157,363	7.3
Licences, fees, and fines	53,505	2.8	57,935	2.9	67,939	3.2
Interest received	89,371	4.8	95,029	4.7	78,099	3.6
Contributions, donations	47,703	2.5	43,398	2.2	45,762	2.1
Reimbursements -						
Roads and bridges -						
Construction	56,551	3.0	57,203	2.8	56,579	2.6
Maintenance	28,082	1.5	29,158	1.4	32,981	1.5
Other	35,239	1.9	33,289	1.6	34,062	1.6
Sale of land and second-hand fixed assets	41,256	2.2	58,362	2.9	55,481	2.6
Other (b)	46,779	2.5	45,134	2.2	37,636	1.8
<b>Total revenue</b>	<b>1,755,621</b>	<b>93.4</b>	<b>1,900,533</b>	<b>94.2</b>	<b>2,029,600</b>	<b>94.6</b>
Loan receipts	124,309	6.6	117,110	5.8	115,548	5.4
<b>Total revenue and loan receipts</b>	<b>1,879,930</b>	<b>100.0</b>	<b>2,017,643</b>	<b>100.0</b>	<b>2,145,148</b>	<b>100.0</b>
<b>Outlay by purpose -</b>						
General administration	283,508	15.0	311,530	15.5	348,087	15.9
Law, order, and public safety	15,970	0.8	17,139	0.9	19,618	0.9
Education	23,792	1.3	23,309	1.2	24,130	1.1
Health	43,405	2.3	48,882	2.4	54,496	2.5
Welfare	124,968	6.6	150,368	7.5	178,972	8.2
Housing	5,929	0.3	6,697	0.3	7,605	0.3
Community amenities	209,022	11.1	222,733	11.1	247,165	11.3
Recreation and culture	304,424	16.2	315,365	15.7	350,918	16.1
Economic services -						
Roads, streets, and bridges	412,017	21.9	409,327	20.4	431,019	19.7
Other transport (c)	64,001	3.4	73,726	3.7	78,750	3.6
Other economic affairs (d)	74,867	4.0	72,137	3.7	75,286	3.4
Other purposes (e)	115,136	6.1	132,079	6.6	131,291	6.0
<b>Total outlay by purpose</b>	<b>1,677,039</b>	<b>89.0</b>	<b>1,785,293</b>	<b>88.8</b>	<b>1,947,336</b>	<b>89.1</b>

**TABLE 9.6 VICTORIAN LOCAL GOVERNMENT: ORDINARY SERVICES REVENUE, LOAN RECEIPTS AND OUTLAY (a) - continued**

Particulars	1985-86		1986-87		1987-88	
	\$'000	Per cent	\$'000	Per cent	\$'000	Per cent
<b>Other outlay -</b>						
Debt charges -						
Interest paid	113,476	6.0	123,522	6.1	126,465	5.8
Debt redemption	67,874	3.6	70,361	3.5	77,474	3.5
Grants, levies paid to government	16,828	0.9	20,855	1.0	21,700	1.0
Other (f)	8,628	0.5	11,560	0.6	12,047	0.6
<b>Total outlay</b>	<b>1,883,846</b>	<b>100.0</b>	<b>2,011,592</b>	<b>100.0</b>	<b>2,185,022</b>	<b>100.0</b>

(a) Includes only net results of trading activities.

(b) Includes repayment of advances and transfers from trading activities.

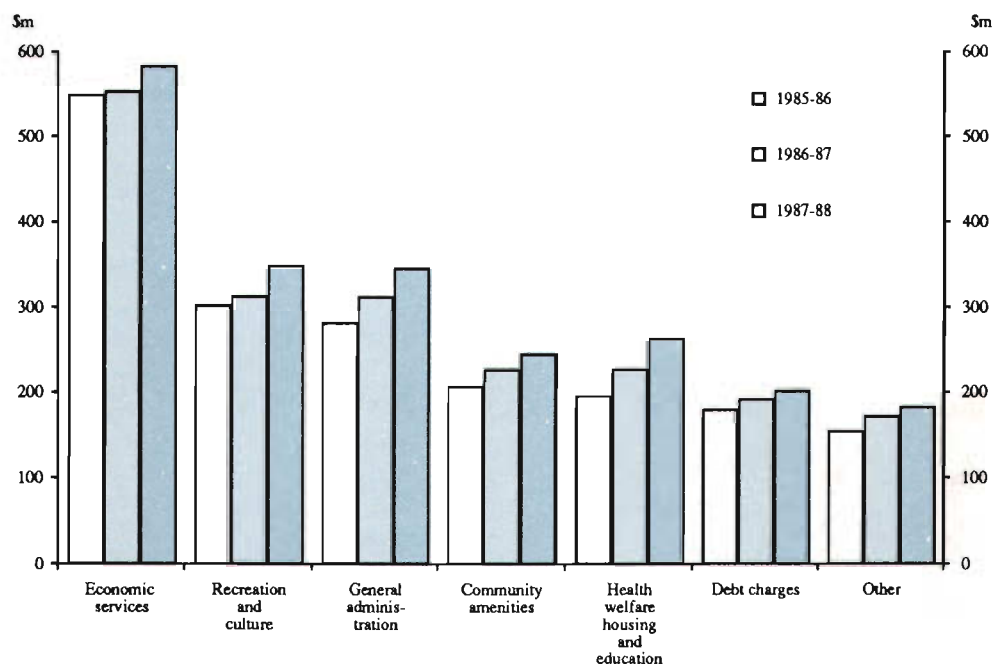
(c) Includes road plant purchases, parking, aerodromes and other transport n.e.c.

(d) Includes tourism and area promotion, saleyards and markets and other economic affairs.

(e) Includes agriculture and forestry, building control, natural disaster relief, mining and manufacturing and other purposes n.e.c.

(f) Consists of donations and advances paid and transfers to trading activities.

**LOCAL GOVERNMENT ORDINARY SERVICES -  
TOTAL OUTLAY BY PURPOSE, VICTORIA  
1985-86 to 1987-88**



### Non-bank finance

Permanent building societies in Victoria reduced in number from 31 in 1982-83 to 19 in 1987-88. This was due to both a number of amalgamations between societies and the conversion of two societies into savings banks in recent years. In 1987-88 deposits were \$3,868.9m and withdrawable shares \$1,090.4m, an increase of 64 per cent and 44 per cent respectively over the corresponding 1982-83 figures of \$2,361.9m and \$756.1m. The amount owing on loans in 1987-88 was \$4,077.1m, which was a 75 per cent increase on the 1981-82 amount of \$2,035.3m.



There were 124 credit co-operative societies with 517,254 members in Victoria at the end of 1986-87. The number of societies has declined from the 178 in 1981-82, but membership has increased by 31 per cent from 395,409 in 1982-83. As a proportion of Australia, the number of Victorian societies and members have hardly changed from 1981-82. Victorian societies in 1981-82 were 30 per cent of the Australian total (178 of 590) and 28 per cent in 1986-87 (124 of 434). Similarly membership was 23 per cent in 1981-82 (395,409 of 1,733,490) and 21 per cent in 1986-87 (517,254 of 2,432,531). The picture is different when deposits and loans are considered. Victorian deposits at the end of 1986-87 were \$1,364.8m, 20 per cent of the Australian total of \$6,819.1m. In 1981-82 it was 27 per cent, the figures being \$739.0m and \$2,704.4m for Victoria and Australia, respectively. Loans outstanding to Victorian members at the end of 1986-87 were \$1,190.0m, 20 per cent of the Australian total of \$5,997.0m. In 1981-82 the Victorian figure was \$591m, 25 per cent of the Australian figure of \$2,350.6m.

TABLE 9.7 PERMANENT BUILDING SOCIETIES, VICTORIA

Particulars	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Number of societies	31	26	25	24	20	19
Income and expenditure (\$'000) -						
Income -						
Interest from loans	332,857	334,642	387,258	513,731	508,473	551,159
Interest from deposits	45,173	26,788	30,634	61,475	40,809	31,810
Income from holdings of securities	109,362	129,210	140,285	122,859	165,859	151,857
Other income	12,200	15,194	28,981	34,616	41,435	83,117
<b>Total income</b>	<b>499,592</b>	<b>505,834</b>	<b>587,158</b>	<b>732,681</b>	<b>756,576</b>	<b>817,943</b>
Expenditure -						
Interest on shares	99,791	107,482	85,676	107,518	96,730	104,320
Interest on deposits	275,465	254,082	330,592	442,808	463,996	440,104
Income on loans	5,167	9,725	14,989	25,990	32,484	53,597
Other expenditure	99,948	105,909	123,381	135,132	145,552	158,496
<b>Total expenditure</b>	<b>480,371</b>	<b>477,198</b>	<b>554,638</b>	<b>711,448</b>	<b>738,762</b>	<b>756,517</b>
Liabilities and assets (a) (\$'000) -						
Liabilities -						
Share capital and reserves -						
Non-withdrawable shares	32,177	39,610	62,043	82,274	104,473	138,933
Withdrawable shares	756,095	943,412	997,971	1,068,297	1,047,024	1,090,378
Statutory reserves	13,971	15,835	17,975	4,923	279	91
Other reserves (b)	29,985	40,020	52,476	82,950	105,322	136,983
Deposits	2,361,915	2,681,199	3,284,489	3,603,498	3,384,579	3,868,913
Loans	72,733	186,286	109,738	246,336	368,637	498,312
Other liabilities	26,403	35,181	38,192	34,766	52,332	86,360
<b>Total liabilities</b>	<b>3,293,279</b>	<b>3,941,543</b>	<b>4,562,884</b>	<b>5,123,044</b>	<b>5,062,916</b>	<b>5,819,970</b>

**TABLE 9.7 PERMANENT BUILDING SOCIETIES, VICTORIA - continued**

Particulars	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
<b>Assets -</b>						
Amounts owing on loans	2,156,035	2,585,541	3,363,614	3,671,116	3,565,737	4,077,117
Cash on hand	7,433	10,505	10,097	11,976	10,718	9,336
Deposits with banks	96,466	115,412	165,283	382,031	145,236	157,221
Deposits with other institutions	148,666	122,989	74,103	66,998	107,049	90,005
Bills, bonds, and other securities	771,253	994,602	825,393	823,370	1,057,007	1,305,654
Accounts receivable	24,761	21,097	10,633	30,777	38,353	32,303
Physical and other assets	88,665	91,397	113,761	136,776	138,816	148,334
<b>Total assets</b>	<b>3,293,279</b>	<b>3,941,543</b>	<b>4,562,884</b>	<b>5,123,044</b>	<b>5,062,916</b>	<b>5,819,970</b>

(a) At the balance dates of societies within the financial year shown.

(b) Includes accumulated surpluses and deficits.

**TABLE 9.8 CREDIT CO-OPERATIVES SELECTED STATISTICS, VICTORIA AND AUSTRALIA**

	1981-82	1982-83	1983-84	1984-85	1985-86	1987-88
<b>Number of credit co-ops -</b>						
Victoria	178	172	159	144	128	124
Australia	590	549	531	493	453	434
<b>Number of members at end of year -</b>						
Victoria	395,409	413,242	437,115	468,871	501,396	517,254
Australia	1,733,490	1,824,286	1,971,146	2,147,189	2,311,228	2,432,531
<b>Paid up capital at end of year (\$'000) -</b>						
Victoria	3,636	3,831	4,075	4,444	4,830	6,051
Australia	14,653	15,493	16,787	18,208	19,450	21,641
<b>Deposits at end of year (\$'000) -</b>						
Victoria	738,960	867,662	983,040	1,149,600	1,257,759	1,364,823
Australia	2,704,446	3,391,768	4,099,601	5,063,850	6,070,212	6,819,128
<b>Loans to members outstanding at end of year (\$'000) -</b>						
Victoria	591,334	632,511	754,176	926,722	1,097,711	1,189,985
Australia	2,350,620	2,696,471	3,464,738	4,422,295	5,333,532	5,996,954

**TABLE 9.9 AUSTRALIAN STOCK EXCHANGE INDICES (a)**

Group	Dec. 1986	June 1987	Dec. 1987	June 1988	Dec. 1988	June 1989	Dec. 1989
All Ordinaries	1,473.2	1,764.1	1,318.9	1,555.0	1,487.2	1,521.0	1,649.9
All Industrials	2,347.4	2,605.2	1,980.0	2,485.4	2,477.4	2,476.8	2,586.6
All Resources	809.9	1,122.8	805.5	850.9	746.5	801.7	936.3
50 Leaders	1,303.3	1,555.6	1,216.4	1,443.0	1,385.2	1,454.7	1,589.5
Metals and Minerals	715.0	1,029.5	790.7	780.7	676.8	690.5	834.6
Gold (b)	1,744.3	2,826.1	2,156.0	1,851.7	1,468.4	1,438.0	1,748.3

(a) All Ordinaries - base 500.0 points at 1 January 1980.

(b) Gold Index - base 500.0 points at 1 January 1985.

Source: Stock Exchange of Melbourne Limited.



## REFERENCES

**Data sources**

The financial transactions of the Victorian Government are itemised in the accounts of the State Consolidated Fund and in Trust Funds. A detailed analysis and classification is made of these accounts as published in the annual budget papers, Treasurer's Statement, and report of the Auditor-General. The remaining statutory bodies and other publicly owned or controlled organisations maintain accounts entirely, or largely, separate from the public accounts, although there may be transactions between them and State governments (such as advances and capital contributions, interest and dividends, and votes for running expenses and capital works) which affect the public accounts. The accounting reports of the group of organisations are collected and analysed in order to present a complete statement of the transactions of State Government enterprises.

Local Government Finance statistics for Victoria are collected jointly with the Victorian Grants Commission. Since 1979-80 these statistics have been collected using the system Standardised Local Government Finance Statistics (SLGFS). This system is designed to enable direct comparison of local government finance statistics both within and between States. For details of the concepts and principles used to produce this system refer to *Standardised Local Government Finance Statistics, Australia* (1212.0).

Following the introduction of new reporting forms under the *Banking Act* in January 1989, the Reserve Bank of Australia took over sole responsibility for processing banking statistics. In 1976 a statistical collection was introduced covering the financial accounts of permanent building societies in all States and Territories. Credit union annual financial account statistics have been collected by the ABS since the year 1974-75.

**ABS publications**

*Government Financial Estimates, Australia* (5501.0)  
*Commonwealth Government Finance* (5502.0)  
*State and Local Government Finance, Australia* (5504.0)  
*Taxation Revenue, Australia* (5506.0)  
*Expenditure on Education, Australia* (5510.0)  
*Public Authority Pension and Superannuation Schemes, Australia* (5511.0)  
*Housing Finance for Owner Occupation, Australia* (5609.0)  
*Credit Co-operatives: Assets, Liabilities Income and Expenditure, Australia* (5618.0)  
*Permanent Building Societies: Assets, Liabilities, Income and Expenditure, Australia* (5632.0)



# 10

## CONSTRUCTION

In May 1988 there were 132,000 employed persons in the construction industry in Victoria, a 30.7 per cent increase over the 101,000 employed in May 1983. Employed persons<sup>7</sup> in the Victorian construction industry accounted for 25.2 per cent of the national construction industry total of 524,400 in May 1988. This represented a slight increase over the 24.1 per cent contribution by the Victorian construction industry in May 1983. In May 1988 employed persons in the Victorian construction industry accounted for 6.9 per cent of employed persons in all Victorian industries, an increase over the 6.1 per cent contribution in May 1983.

### Construction industry activity

At 30 June 1985 an estimated 29,616 private sector construction establishments were operating in Victoria. These establishments constituted 29.4 per cent of Australia's private sector construction and contributed 24.3 per cent of the value of work done in Australia during 1984-85. Almost three-quarters (73.5 per cent) of Victoria's construction establishments were engaged primarily in special trade construction, while the remaining 26.5 per cent were engaged primarily in general construction. Of the 7,851 general construction establishments, almost 90 per cent were engaged in building construction. Within the building construction category, 98.4 per cent were engaged in residential building construction.

Although special trade construction establishments outnumbered general construction establishments, the value of work done by the latter category during 1984-85 was greater (\$3,577.0m) than for special trade construction establishments (\$2,416.5m). During 1984-85, Victoria's share of the value of private sector general construction work done in Australia was 22.8 per cent, while the share of special trade construction work done was 27.1 per cent. Victoria's share of Australia's public sector construction expenditure was 21.8 per cent.

The next survey of Construction Industry Activity will take place in respect of the 1988-89 financial year.

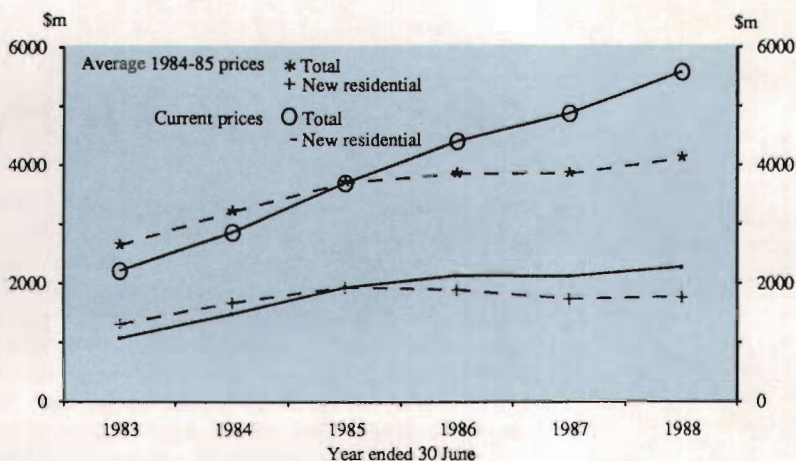
### Building construction

At current prices the value of building work done in Victoria during 1987-88 (\$5,585.9m) represented 63.6 per cent of the value of all construction work done in Victoria. The value of building work done represented a 14.2 per cent increase over the previous year, and constituted 26.1 per cent of the total value of building work done in Australia during 1987-88. Between 1982-83 and 1987-88, Victoria's share of the value of building work done in Australia increased from 22.6 per cent to 26.1 per cent.

### Non-residential building

The commercial sector of non-residential building (i.e. hotels, shops, factories, offices, and other business premises) accounted for 41.2 per cent (\$2,305.6m) of the value of all building work completed in Victoria during 1987-88, with office construction being the largest component of this commercial sector

## VALUE OF BUILDING WORK DONE, VICTORIA



activity. Building for community purposes accounted for 8.8 per cent of the value of building construction, with the largest component being building for education purposes.

In the commercial sector, the value of shops completed increased by 13.5 per cent between 1986-87 and 1987-88 (from \$317.9m to \$360.9m) while the value of factories completed increased by 164.3 per cent (from \$247.7m to \$406.9m). The value of other business premises completed increased by 8.3 per cent, while the value of offices completed increased by 43.5 per cent. In contrast, the value of hotels completed declined by 13.8 per cent, from \$92.2m to \$79.5m.

In the community sector, the value of buildings completed for entertainment and recreation purposes increased by 77.3 per cent while the value of buildings completed for educational purposes increased, by 8.3 per cent. The value of buildings completed for religious and health purposes decreased by 8.5 per cent and 3.9 per cent respectively.

These changes in value of work done reflect not only changes in building activity but also increases in the cost of building due to inflation. It should also be noted that in any period where there are appreciable increases or decreases in the value of buildings completed for industrial, commercial, business, health, etc. purposes, this movement can be attributed, to some extent, to the completion of large-scale projects.

### Residential building

Residential building (including alterations and additions) accounted for 48.6 per cent of the value of all building construction during 1987-88. Residential building's share of the value of all building work done varied widely between 1982-83 and 1987-88, with a peak of 61.6 per cent in 1984-85 and a low point of 48.6 per cent in 1987-88.

New house completions accounted for 75.3 per cent of the value of residential building work completed during 1987-88 while new 'other residential building' completions and 'alterations and additions' accounted for 9.7 per cent and 15.0 per cent respectively.

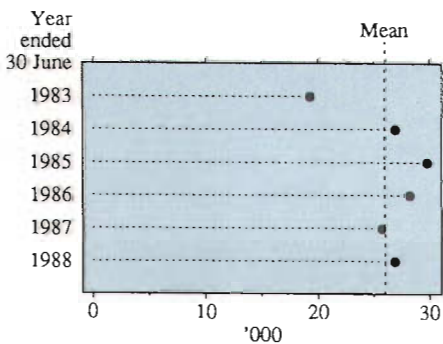
The number of new residential buildings completed during 1987-88 was 32,490 a decrease of 3.6 per cent over the previous year. Of these 32,490 buildings, 85.2 per cent were houses. Private sector activity accounted for at least 90 per cent of the number of new residential buildings completed each year from 1981-82 to 1987-88, ranging from a high of 94.5 per cent in 1980-81 to a low of 90.2 per cent in 1983-84. During 1987-88, private sector activity accounted for 94.1 per cent of all new residential buildings completed.

#### House commencements and housing loans

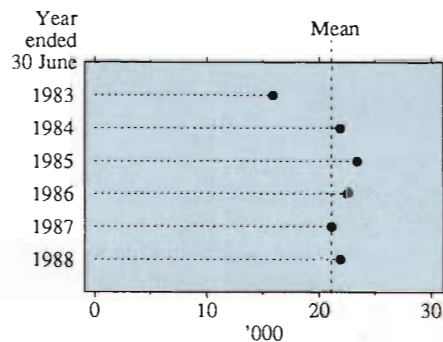
During 1987-88 there were 27,390 houses commenced in Victoria, which represented a decline of 1.1 per cent over the previous year. The number of houses commenced each year between 1982-83 and 1987-88 followed a similar pattern to the number of housing loans approved.

At current prices the value of housing loans approved during 1987-88 was \$5,273m. This was a 32.4 per cent increase over the 1986-87 level and represented a 175.4 per cent increase over 1982-83, when the value of loans approved was \$1,915m. Savings banks accounted for 76.1 per cent of the value of loans approved in 1987-88, a decrease from the 84.8 per cent in 1982-83, but an increase over the 63.8 per cent recorded in 1982-83.

NUMBER OF NEW PRIVATE SECTOR HOUSES COMMENCED, VICTORIA

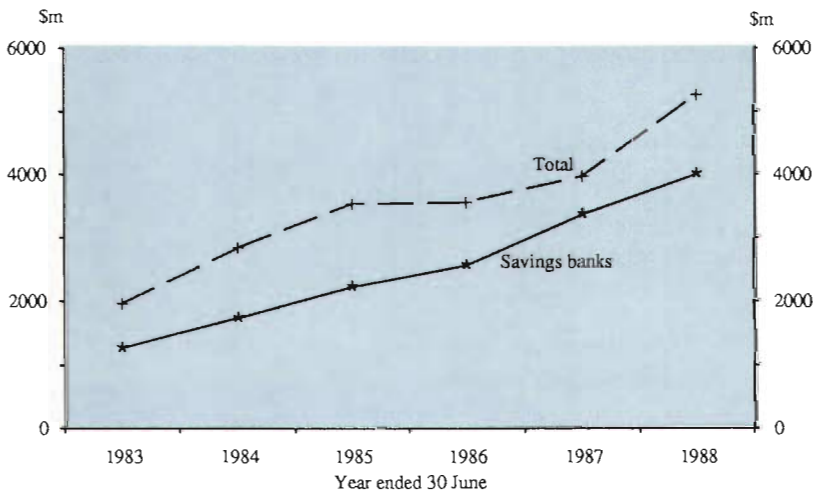


NUMBER OF LOANS (a) APPROVED, VICTORIA

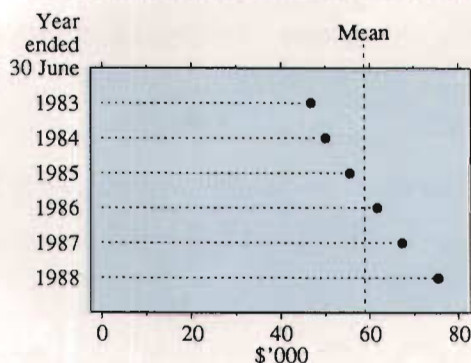
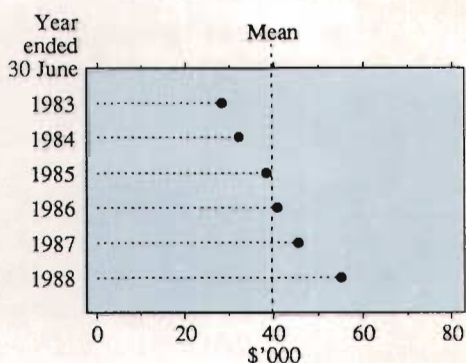


(a) For construction of dwellings and purchase of newly erected dwellings, for owner occupation.

VALUE OF HOUSING LOANS (OF ALL TYPES) APPROVED, VICTORIA





AVERAGE VALUE PER NEW PRIVATE  
SECTOR HOUSE COMMENCED, VICTORIAAVERAGE VALUE PER LOAN  
APPROVED (a), VICTORIA

(a) For construction of dwellings and purchase of newly erected dwellings, for owner occupation.

TABLE 10.1 PRIVATE SECTOR CONSTRUCTION ESTABLISHMENTS, VALUE OF  
CONSTRUCTION WORK DONE BY INDUSTRY CLASS 1984-85  
\$('000)

ASIC code	Industry class	Victoria	Australia	Victoria as a percentage of Australia
General construction -				
Building construction -				
4111	House construction	1,371,182	5,104,658	26.9
4112	Residential building construction n.e.c.	166,398	879,636	18.9
4113	Non-residential building construction	1,271,163	5,678,401	22.4
411	Total building construction	2,808,743	11,662,695	24.1
Non-building construction -				
4121	Road and bridge construction	308,309	1,605,043	19.2
4122	Non-building construction n.e.c.	459,909	2,433,990	18.9
412	Total non building construction	768,218	4,039,033	19.0
41	Total	3,576,954	15,701,728	22.8
Special trade construction -				
4231	Concreting	260,325	815,995	31.9
4232	Bricklaying	123,956	434,845	28.5
4233	Roof tiling	42,831	163,785	26.2
4234	Floor and wall tiling	32,678	123,539	26.5
4241	Structural steel erection	47,949	234,965	20.4
4242	Plumbing	401,506	1,338,745	30.0
4243	Electrical work	376,585	1,437,738	26.2
4244	Heating and airconditioning	179,272	722,570	24.8
4245	Plastering and plaster fixing	166,967	558,656	29.9
4246	Carpentry	138,209	566,633	24.4
4247	Painting	184,265	630,553	29.2
4248	Earthmoving and dredging	193,748	876,126	22.1
4249	Special trades n.e.c.	268,168	1,023,765	26.2
42	Total	2,416,477	8,927,917	27.1
41-42	Total construction	5,993,431	24,629,645	24.3

**TABLE 10.2 PRIVATE SECTOR CONSTRUCTION ESTABLISHMENTS, SUMMARY OF OPERATIONS BY INDUSTRY CLASS,  
VICTORIA, 1984-85**

ASIC code	Industry class	Establishments operating at 30 June 1985		Average employment over whole year			Wages and salaries	Turnover	Stocks		Purchases and selected expenses	Value added	Fixed capital expenditure less disposals
		Vic.	Aust.	Males	Females	Persons			Opening	Closing			
		No.	No.	No.	No.	No.	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
	General construction -												
	Building construction -												
4111	House construction	5,778	19,438	8,718	4,668	13,386	71,795	1,368,566	145,027	208,402	1,114,260	317,681	24,730
4112	Residential building construction n.e.c.	421	1,536	795	322	1,117	12,216	165,126	39,511	49,528	141,148	33,995	8,125
4113	Non-residential building construction	799	2,987	6,785	940	7,725	157,842	1,275,921	60,483	70,593	1,008,038	277,993	17,085
411	Total building construction	6,998	23,961	16,297	5,930	22,228	241,854	2,809,613	245,021	328,523	2,263,445	629,669	49,939
	Non-building construction -												
4121	Road and bridge construction	267	844	1,937	246	2,183	41,095	311,578	25,544	27,600	222,087	91,548	7,896
4122	Non-building construction n.e.c.	586	2,519	4,221	608	4,828	107,933	471,507	14,283	14,931	279,539	192,616	6,154
412	Total non-building construction	853	3,362	6,157	854	7,012	149,027	783,085	39,827	42,532	501,626	284,163	14,051
<b>41</b>	<b>Total</b>	<b>7,851</b>	<b>27,323</b>	<b>22,455</b>	<b>6,784</b>	<b>29,239</b>	<b>390,881</b>	<b>3,592,697</b>	<b>284,849</b>	<b>371,054</b>	<b>2,765,071</b>	<b>913,832</b>	<b>63,990</b>
	Special trade construction -												
4231	Concreting	1,128	4,459	2,819	998	3,817	38,565	261,054	3,672	6,436	171,916	91,901	9,263
4232	Bricklaying	2,823	8,912	4,291	1,516	5,807	20,791	124,447	1,276	1,217	37,347	87,041	8,787
4233	Roof tiling	189	1,035	600	196	796	9,681	43,651	487	638	25,319	18,483	678
4234	Floor and wall tiling	631	3,029	782	333	1,115	3,438	33,672	633	959	16,919	17,080	357
4241	Structural steel erection	343	1,206	1,055	416	1,471	15,956	47,687	1,522	945	20,656	27,454	*222
4242	Plumbing	3,451	10,396	6,830	2,358	9,188	72,129	407,396	12,322	14,083	235,238	173,919	10,741
4243	Electrical work	2,309	8,561	6,326	1,699	8,025	98,092	384,125	15,191	16,915	204,320	181,530	9,921
4244	Heating and airconditioning	404	1,177	1,760	421	2,181	32,794	183,495	8,200	8,964	127,444	56,816	*880
4245	Plastering and plaster fixing	1,682	4,551	2,613	986	3,600	19,899	177,235	2,527	2,640	111,901	65,448	4,742
4246	Carpentry	2,818	10,528	3,979	1,613	5,592	15,258	140,135	1,907	3,357	60,723	80,862	8,482
4247	Painting	3,212	9,840	4,907	1,175	6,622	31,280	185,989	2,487	4,373	83,592	104,283	7,684
4248	Earthmoving and dredging	980	4,165	2,122	920	3,042	31,861	197,181	4,854	4,296	117,588	79,036	14,407
4249	Special trades n.e.c.	1,794	5,607	3,933	1,134	5,067	50,928	283,106	7,889	10,783	161,825	124,175	7,235
<b>42</b>	<b>Total</b>	<b>21,764</b>	<b>73,467</b>	<b>42,018</b>	<b>14,306</b>	<b>56,324</b>	<b>440,673</b>	<b>2,470,174</b>	<b>62,968</b>	<b>75,607</b>	<b>1,374,785</b>	<b>1,108,028</b>	<b>83,400</b>
<b>41-42</b>	<b>Total construction</b>	<b>29,616</b>	<b>100,789</b>	<b>64,473</b>	<b>21,090</b>	<b>85,563</b>	<b>831,554</b>	<b>6,062,871</b>	<b>347,816</b>	<b>446,662</b>	<b>4,139,857</b>	<b>2,021,860</b>	<b>147,390</b>

CONSTRUCTION



**TABLE 10.3 PRIVATE SECTOR CONSTRUCTION ESTABLISHMENTS: VALUE OF CONSTRUCTION WORK DONE (a) BY INDUSTRY CLASS AND BROAD COMMODITY, VICTORIA, 1984-85**  
(\$'000)

Industry	Building				Total construction work done		
	Houses	Other residential buildings	Non-residential building	Total building	Total non-building (b)	Victoria	Australia
Total general construction (41)	1,301,620	218,155	1,221,174	2,740,950	836,004	3,576,954	15,701,728
Special trade construction -							
Concreting (4231)	119,625	6,104	95,018	220,747	39,578	260,325	815,995
Bricklaying (4232)	83,270	7,108	30,116	120,494	3,462	123,956	434,845
Roof tiling (4233)	34,561	3,425	1,411	39,397	3,434	42,831	163,785
Floor and wall tiling (4234)	21,477	1,377	8,890	31,744	934	32,678	123,539
Structural steel erection (4241)	1,268	20	24,224	25,513	22,436	47,949	234,965
Plumbing (4242)	174,470	22,122	122,448	319,041	82,465	401,506	1,338,745
Electrical work (4243)	90,835	12,181	204,207	307,222	69,363	376,585	1,437,738
Heating and airconditioning (4244)	35,040	6,928	130,315	172,284	6,988	179,272	722,570
Plastering and plaster fixing (4245)	113,872	9,090	41,963	164,925	2,042	166,967	558,656
Carpentry (4246)	76,707	10,991	43,343	131,041	7,167	138,209	566,633
Painting (4247)	76,245	6,963	61,623	144,830	39,435	184,265	630,553
Earthmoving and dredging (4248)	23,185	502	26,601	50,288	143,460	193,748	876,126
Special trades n.e.c. (4249)	73,602	12,401	116,068	202,070	66,116	268,186	1,023,765
Total special trade construction (42)	924,157	99,212	906,226	1,929,596	486,881	2,416,477	8,927,917
<b>Total construction (41-42)</b>	<b>2,225,778</b>	<b>317,368</b>	<b>2,127,400</b>	<b>4,670,546</b>	<b>1,322,885</b>	<b>5,993,431</b>	<b>24,629,645</b>

(a) Comprises prime and subcontract, speculative, and capital work done for own use.

(b) Comprises engineering construction, repairs, maintenance, and demolition.

**TABLE 10.4 PUBLIC SECTOR ENTERPRISES: CONSTRUCTION AND MAINTENANCE EXPENDITURE (a) BY LEVEL OF GOVERNMENT, VICTORIA, 1984-85**  
(\$'000)

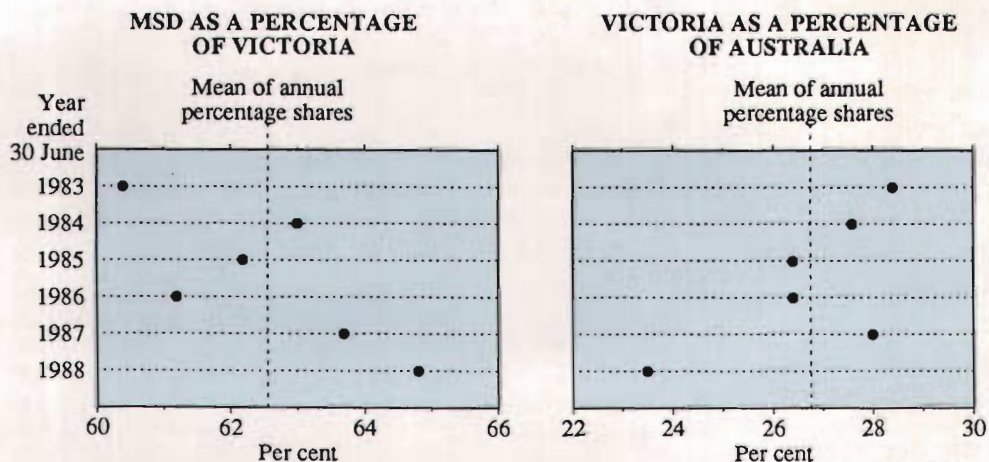
Level of government	Construction expenditure						Maintenance expenditure				
	Houses	Other residential buildings	Non-residential buildings	Engineering construction	Demolition	Total		Road maintenance	Other maintenance	Total	
						Victoria	Australia			Victoria	Australia
Commonwealth	3,328	582	74,209	391,452	292	469,863	2,573,433	2,037	395,040	397,077	1,747,809
State	48,077	45,685	243,494	1,107,549	235	1,445,040	5,950,460	99,378	514,353	613,731	2,217,520
Local	2,318	23	54,476	244,532	116	301,465	1,638,613	127,277	76,516	203,792	1,223,954
<b>Total</b>	<b>53,723</b>	<b>46,290</b>	<b>372,179</b>	<b>1,743,533</b>	<b>643</b>	<b>2,216,368</b>	<b>10,162,506</b>	<b>228,692</b>	<b>985,909</b>	<b>1,214,600</b>	<b>5,189,285</b>

(a) There exists duplication of some expenditure data where construction contracts are let between public sector enterprises.

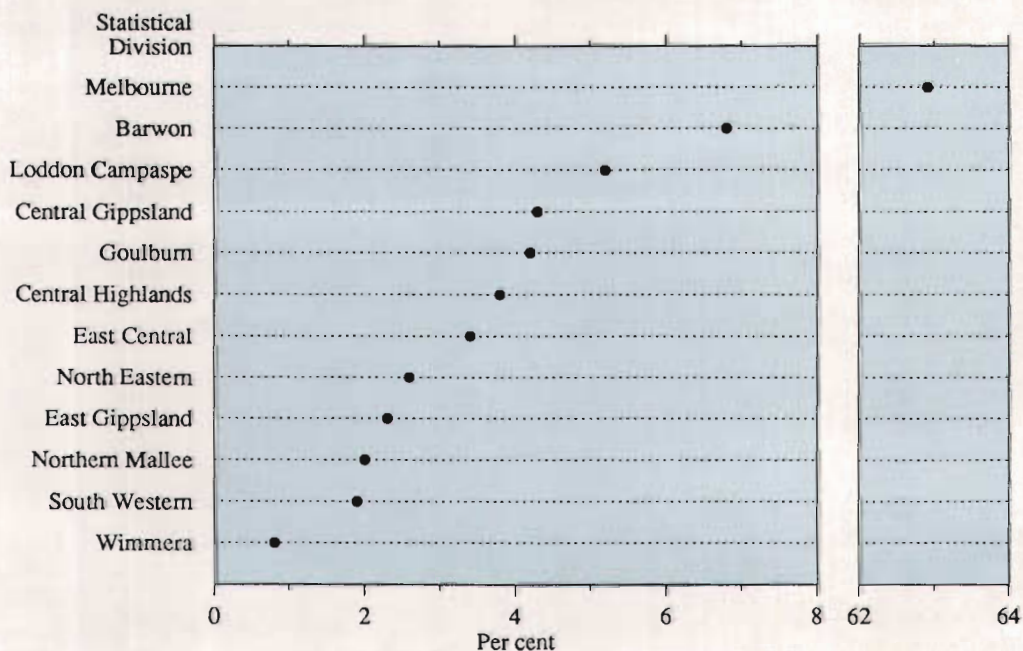




## COMMENCEMENTS OF NEW RESIDENTIAL BUILDINGS



## PERCENTAGE CONTRIBUTION OF STATISTICAL DIVISIONS TO TOTAL VICTORIAN NEW RESIDENTIAL BUILDING COMMENCEMENTS, 1982-83 TO 1987-88

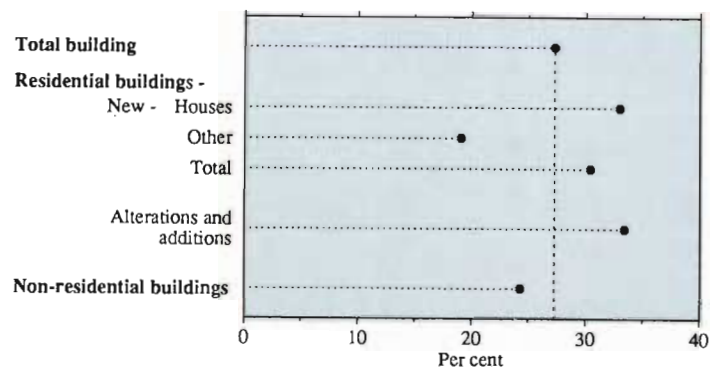


**TABLE 10.6 VALUE OF BUILDING ACTIVITY COMPLETED-SUMMARY**  
(\$m)

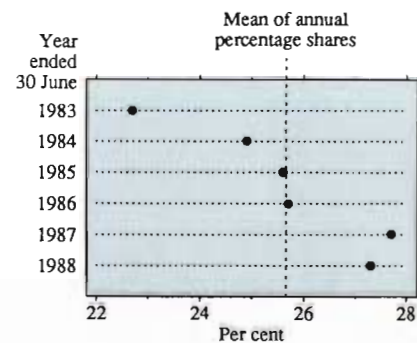
	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88		Victoria as a percentage of Australia
	Victoria					Victoria	Australia	
New residential buildings -								
Houses	866.2	1,205.4	1,524.8	1,741.0	1,790.5	1,979.1	6,004.4	33.0
Other	147.1	176.2	223.8	292.7	292.9	253.7	1,329.8	19.1
<b>Total</b>	<b>1,013.3</b>	<b>1,381.6</b>	<b>1,748.5</b>	<b>2,033.7</b>	<b>2,083.5</b>	<b>2,232.8</b>	<b>7,334.1</b>	<b>30.4</b>
Alterations and additions to residential buildings	167.3	178.6	240.1	292.2	354.8	393.9	1,177.6	33.4
Non-residential building	1,217.4	997.5	1,240.7	(a)1,648.1	1,887.7	2,393.1	9,851.0	24.3
<b>Total all building -</b>								
<b>Victoria</b>	<b>2,398.1</b>	<b>2,557.7</b>	<b>3,229.3</b>	<b>(a)3,974.1</b>	<b>4,326.0</b>	<b>5,019.9</b>	<b>18,362.7</b>	<b>27.3</b>
<b>Australia</b>	<b>10,550.6</b>	<b>10,268.5</b>	<b>12,605.5</b>	<b>(a)15,436.8</b>	<b>15,612.6</b>	<b>18,362.7</b>	<b>..</b>	<b>..</b>
Victoria as a percentage of Australia	22.7	24.9	25.6	25.7	27.7	27.3	..	..

(a) Break in series between 1984-85 and 1985-86. Refer to data sources at end of Chapter.

**VALUE OF BUILDING ACTIVITY COMPLETED, 1987-88: VICTORIA AS A PERCENTAGE OF AUSTRALIA**



**VALUE OF BUILDING ACTIVITY COMPLETED: VICTORIA AS A PERCENTAGE OF AUSTRALIA**





**TABLE 10.7 VALUE OF BUILDINGS COMPLETED, CLASSIFIED BY TYPE, VICTORIA (\$'000)**

<i>Type of building</i>	<i>1982-83</i>	<i>1983-84</i>	<i>1984-85</i>	<i>1985-86</i>	<i>1986-87</i>	<i>1987-88</i>
Houses	866,167	1,205,396	1,524,763	1,741,000	1,790,546	1,979,120
Other residential buildings	147,150	176,244	223,610	292,213	92,950	253,666
Alterations and additions to residential buildings	167,260	178,591	240,108	292,213	354,782	393,929
Hotels, guest houses, etc.	27,764	24,357	68,661	75,494	92,224	79,475
Shops	102,041	110,129	179,205	207,964	317,868	360,942
Factories	231,947	148,514	157,455	173,880	247,708	406,942
Offices	384,679	250,931	262,330	629,385	528,013	757,887
Other business premises	100,301	101,215	171,179	123,941	188,533	222,754
Education	118,448	132,203	108,954	177,289	208,533	225,846
Religious	9,243	9,280	6,669	10,110	14,199	12,986
Health	97,229	36,655	57,470	109,389	130,037	124,919
Entertainment and recreation	94,441	40,868	178,708	63,604	80,656	143,084
Miscellaneous	51,109	143,353	50,115	77,066	79,969	58,313
<b>Total</b>	<b>2,397,778</b>	<b>2,557,736</b>	<b>3,229,225</b>	<b>3,974,083</b>	<b>4,326,017</b>	<b>5,019,862</b>

**TABLE 10.8 NUMBER OF NEW RESIDENTIAL BUILDINGS COMPLETED BY OWNERSHIP, VICTORIA**

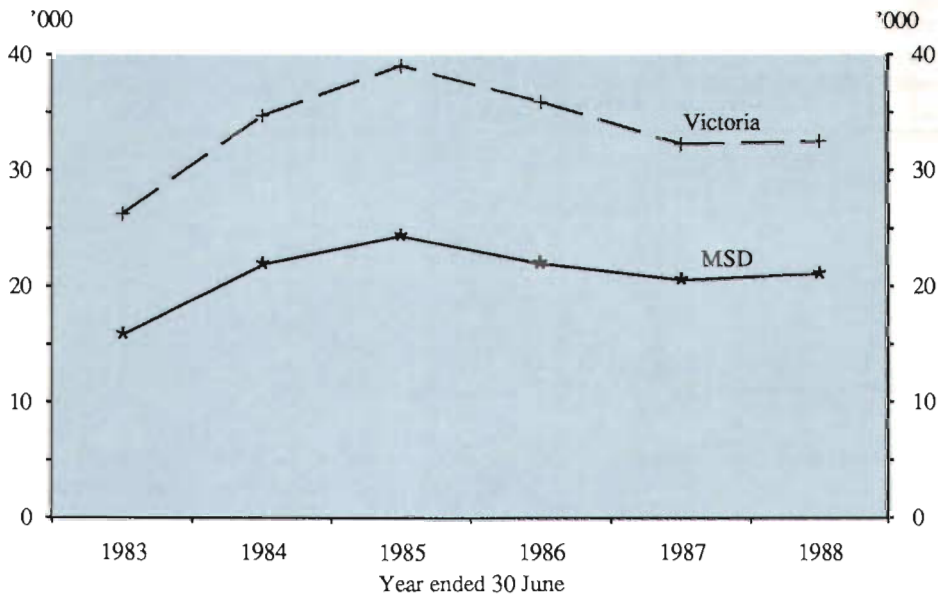
<i>Year</i>	<i>Private sector</i>			<i>Public sector</i>			<i>Total Number</i>	<i>Private sector as a percentage of total</i>
	<i>Houses</i>	<i>Other</i>	<i>Total</i>	<i>Houses</i>	<i>Other</i>	<i>Total</i>		
1982-83	17,700	4,040	21,740	1,145	966	2,111	23,860	91.1
1983-84	23,330	4,477	27,810	2,472	553	3,025	30,830	90.2
1984-85	27,860	5,544	33,410	1,789	310	2,099	35,510	94.1
1985-86	28,130	6,034	34,170	1,833	465	2,298	36,470	93.7
1986-87	26,100	5,436	31,540	1,607	563	2,170	33,710	93.6
1987-88	26,170	4,398	30,570	1,499	415	1,914	32,490	94.1

**TABLE 10.9 NUMBER OF NEW HOUSES COMMENCED, CLASSIFIED BY MATERIAL OF OUTER WALLS, VICTORIA**

<i>Year</i>	<i>Brick, concrete, and stone</i>	<i>Brick veneer</i>	<i>Timber</i>	<i>Fibre cement</i>	<i>Other and not stated</i>	<i>Total</i>
1982-83	1,209	15,323	1,458	870	2,339	21,199
1983-84	1,359	20,285	2,067	1,292	3,901	28,904
1984-85	943	22,897	2,723	1,204	4,234	32,001
1985-86	1,170	19,797	2,613	1,141	5,469	30,190
1986-87	596	18,151	2,208	984	5,542	27,481
1987-88	567	17,856	1,916	838	6,879	28,056

**TABLE 10.10 NUMBER OF COMMENCEMENTS OF NEW RESIDENTIAL BUILDINGS BY TYPE OF BUILDING**

<i>Year</i>	<i>Melbourne Statistical Division (MSD)</i>	<i>Victoria</i>	<i>MSD as a percentage of Victoria</i>	<i>Victoria as a percentage of Australia</i>
<b>HOUSES</b>				
1982-83	12,519	21,199	59.1	26.5
1983-84	17,896	28,904	61.9	26.1
1984-85	19,502	32,001	60.9	27.4
1985-86	18,205	30,190	60.3	28.5
1986-87	17,144	27,482	62.4	30.8
1987-88	17,968	28,103	63.9	26.2
<b>OTHER</b>				
1982-83	3,340	5,060	66.0	17.4
1983-84	3,993	5,829	68.5	16.9
1984-85	4,843	7,121	68.0	21.7
1985-86	3,796	5,783	65.6	19.3
1986-87	3,407	4,798	71.0	18.3
1987-88	3,106	4,442	69.9	14.3
<b>TOTAL</b>				
1982-83	15,859	26,259	60.4	28.4
1983-84	21,889	34,733	63.0	27.6
1984-85	24,345	39,122	62.2	26.4
1985-86	22,001	35,973	61.2	26.4
1986-87	20,551	32,280	63.7	28.0
1987-88	21,074	32,545	64.8	23.5

**NUMBER OF NEW RESIDENTIAL BUILDINGS COMMENCED**



**TABLE 10.11 COMMENCEMENTS OF NEW RESIDENTIAL BUILDINGS, STATISTICAL REGIONS OF MELBOURNE STATISTICAL DIVISION**

<i>Statistical region</i>	<i>1982-83</i>	<i>1983-84</i>	<i>1984-85</i>	<i>1985-86</i>	<i>1986-87</i>	<i>1987-88</i>
<b>NUMBER</b>						
Western Melbourne	3,146	4,814	5,611	5,013	4,756	4,580
Inner Melbourne	803	452	682	612	566	669
North Eastern Melbourne	1,904	2,534	2,642	2,559	2,307	2,560
Inner Eastern Melbourne	2,017	2,529	2,491	2,183	2,027	2,303
Southern Melbourne	798	1,068	1,175	1,079	1,022	1,086
Outer Eastern Melbourne	2,567	3,748	4,285	3,885	3,489	3,516
Mornington Peninsula	4,624	6,744	7,459	6,670	6,384	6,360
<b>Total Melbourne Statistical Division</b>	<b>15,859</b>	<b>21,889</b>	<b>24,345</b>	<b>22,001</b>	<b>20,551</b>	<b>21,074</b>
<b>PERCENTAGE OF MELBOURNE STATISTICAL DIVISION</b>						
Western Melbourne	19.8	22.0	23.0	22.8	23.1	21.7
Inner Melbourne	5.1	2.1	2.8	2.8	2.8	3.2
North Eastern Melbourne	12.0	11.6	10.9	11.6	11.2	12.1
Inner Eastern Melbourne	12.7	11.6	10.2	9.9	9.9	10.9
Southern Melbourne	5.0	4.9	4.8	4.9	5.0	5.2
Outer Eastern Melbourne	16.2	17.1	17.6	17.7	17.0	16.7
Mornington Peninsula	29.2	30.8	30.6	30.3	31.1	30.2
<b>Total Melbourne Statistical Division</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

**TABLE 10.12 HOUSING LOANS APPROVED BY TYPE OF LENDER, VICTORIA**

<i>Year</i>	<i>Savings banks</i>	<i>Permanent building societies</i>	<i>Trading banks</i>	<i>Other lenders</i>	<i>Total</i>
<b>NUMBER</b>					
1982-83	48,286	11,030	5,331	6,144	70,791
1983-84	59,704	18,668	5,563	6,473	90,408
1984-85 (a)	63,549	17,527	6,048	5,177	92,301
1985-86 (b)	66,456	7,644	7,054	5,811	86,965
1986-87 (b)	72,460	4,431	3,539	3,756	84,156
1987-88	75,007	10,882	4,541	5,081	95,511
<b>VALUE (\$m)</b>					
1982-83	1,260	410	114	191	1,975
1983-84	1,744	755	146	206	2,852
1984-85 (a)	2,234	846	259	209	3,548
1985-86 (b)	2,574	386	333	279	3,572
1986-87 (b)	3,376	230	203	174	3,982
1987-88	4,012	635	348	278	5,273

(a) Break in series between 1983-84 and 1984-85.

(b) Breaks in series between 1984-85 and 1985-86, and 1985-86 and 1986-87.

**Public housing**

Under the Commonwealth - State Housing Agreement (CSHA), which came into effect on 1 July 1984, the Federal Government provides financial assistance to the States and Northern Territory for public housing programs.





## CONSTRUCTION

*Clockwise from top left:*

Loddon-Campaspe College of TAFE (Bendigo Campus), court yard linking old and new buildings.

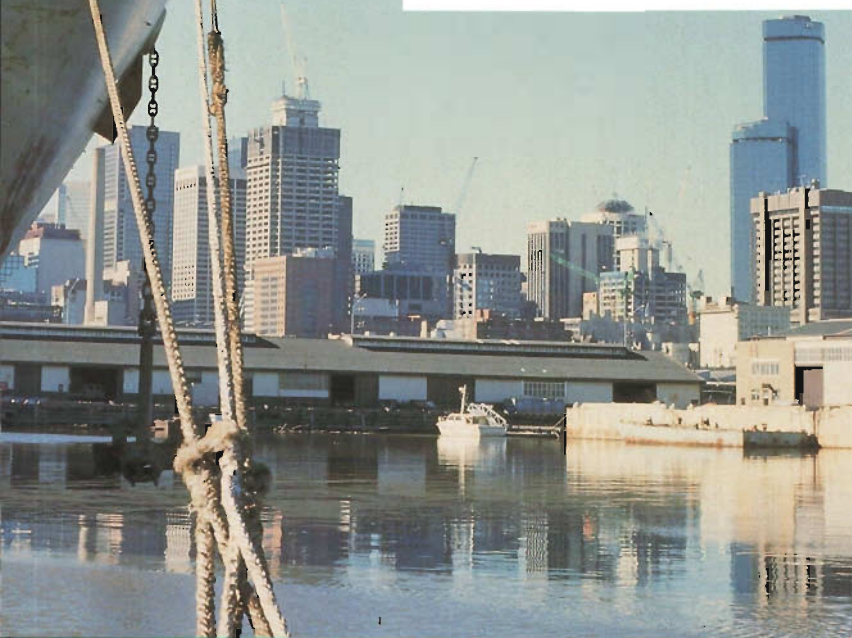
New townhouses, Perry Street, Collingwood.

Melbourne Remand Centre under construction.

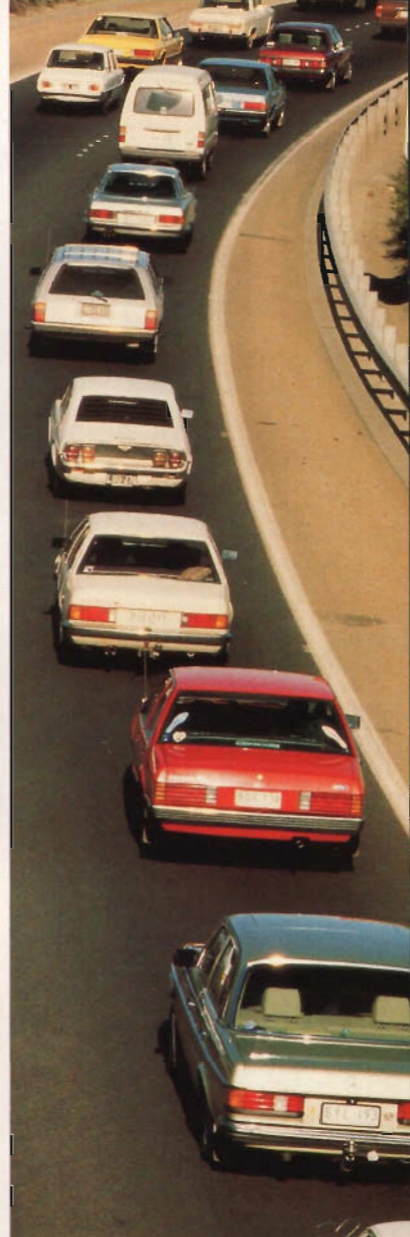
(Photos: Ministry of Housing and Construction)

Melbourne city skyline from Victoria Dock.

(Photo: Andrew Stiller, Ministry for Planning and Enviroment)







## TRANSPORT, COMMUNICATION AND TOURISM

*Clockwise from top left:*

Melbourne Airport's International  
apron as viewed from Observation  
Deck of Terminal Building.

*(Photo: Federal Airport Corporation)*

Motor vehicles on a Victorian  
freeway.

*(Photo: Department of Industry,  
Technology and resources)*

The radio repeater tower at One Tree  
Hill (Mount Taminish) in Ararat, a vital  
link in the vast Telecom network of  
communications.

*(Photo: Telecom Australia)*

Fairy Penguin parade, Phillip Island.  
*(Photo: Ignatius Duivenvoorden)*





Victoria was allocated \$166.9m in 1987-88, which represented a 0.9 per cent increase over the previous year. Victoria's share of the CSHA funds distributed was 23.8 per cent in both 1986-87 and 1987-88.

The CSHA funds are provided in the form of untied grants (for rental housing and home purchase assistance) and in the form of grants for specific programs. During 1987-88, untied grants accounted for 84.5 per cent of Victoria's allocation, which was almost the same proportion as for the previous year.

#### Home purchase assistance

Under the Home Purchase Assistance Program, during 1986-87 Victoria had 31.7 per cent of Australia's loans outstanding, processed 16.1 per cent of Australia's loans approved, (14.1 per cent in 1987-88) had 41.6 per cent of Australia's loan waiting list (43.5 per cent in 1987-88), and had twice Australia's estimated waiting time for loan approval (24 months compared with 12 months for Australia).

#### Rental housing assistance

Victoria's stock of public rental housing increased by 5.5 per cent between 1986-87 and 1987-88; from 53,902 at 30 June 1987 to 56,867 at 30 June 1988. In 1987-88, Victoria accounted for 18.0 per cent of Australia's stock of public rental housing, 16.9 per cent of Australia's rental waiting list, 16.1 per cent of Australia's new applicants for public rental housing, and 19.1 per cent of Australia's allocations of public rental housing.

**TABLE 10.13 ALLOCATION OF COMMONWEALTH FUNDS**  
(\$'000)

Program	Victoria		Australia	
	1986-87	1987-88	1986-87	1987-88
Untied funds	140,377	141,004	549,600	550,000
Rental assistance for pensioners	8,509	8,560	37,000	37,500
Rental assistance for Aborigines	3,417	3,417	58,000	60,000
Mortgage and rent relief	6,400	6,623	24,100	25,000
Crisis accommodation	3,711	4,092	14,000	15,500
Local government and community housing	2,921	3,156	11,000	12,000
<b>Total</b>	<b>165,333</b>	<b>166,852</b>	<b>693,700</b>	<b>700,000</b>

Source: Commonwealth Department of Community Services and Health.

**TABLE 10.14 HOME PURCHASE ASSISTANCE PERFORMANCE INDICATORS, 1987-88**

Item	Unit	Victoria	Australia
Loans current at end of period	number	48,870	n.a
Ratio - loans : 1,000 people	"	11.5	n.a
Loans approved	"	2,243	15,958
Ratio - approvals : 1,000 people	"	0.5	1.0
Total amount	\$'000	122,090	720,698
Average loan	\$'000	54.4	45.2
Loan waiting list	number	29,593	68,095
Ratio - applications : 1,000 people	"	6.9	4.2
Approvals : waiting list	per cent	7.6	23.4

Source: Commonwealth Department of Community Services and Health.



TABLE 10.15 PUBLIC RENTAL HOUSING PERFORMANCE INDICATORS, 1987-88

Item	Unit	Victoria	Australia
Stock	number	56,867	315,988
Ratio - dwellings : 1,000 people	"	13.3	19.4
Rental waiting list	"	33,000	195,370
Ratio - applications : 1,000 people	"	7.7	12.0
New applicants	"	21,900	133,066
Ratio - applicants : 1,000 people	"	5.2	8.4
Allocations	"	8,686	45,539
Allocations: new applicants	per cent	39.7	33.5
Allocations: waiting list	"	26.3	23.3

Source: Department of Community Services and Health.

### Engineering construction

The Engineering Construction Survey was first conducted in respect of the September Quarter 1986, replacing the Construction (Other than Building) Survey as a medium for measuring the level of Non-Building (Engineering) Construction activity within the Construction sector.

During 1987-88, the value (at current prices) of engineering construction work done was \$1,711.5m, of which 53.9 per cent (\$922.5m) was done by the public sector. Construction of roads, highways, and subdivisions accounted for 28.6 per cent of the value of work done, telecommunications for 22.1 per cent, and electricity generation, transmission, and distribution for 10.1 per cent.

TABLE 10.16 VALUE OF ENGINEERING CONSTRUCTION BY TYPE, 1987-88

Type of construction	Commenced	Work done			Work yet to be done
	Victoria (\$m)	Victoria (\$m)	Australia (\$m)	Victoria as a percentage of Australia	Victoria (\$m)
Roads, highways, and subdivisions	540.1	489.0	2,395.8	20.4	161.3
Bridges	49.5	81.8	186.0	44.0	19.2
Railways	21.8	32.5	304.6	10.7	27.5
Harbours	23.3	13.1	187.7	7.0	16.9
Water storage and supply	85.4	77.7	552.6	14.1	47.2
Sewerage and drainage	187.2	150.6	561.0	26.8	155.9
Electricity generation, transmission, and distribution	213.4	172.7	1,131.4	15.3	237.7
Pipelines	45.2	53.7	142.6	37.7	2.9
Recreation	68.0	62.9	329.3	19.1	9.2
Telecommunications	361.5	378.2	1,625.3	23.3	1.6
Heavy industry	184.8	191.5	1,301.7	14.7	144.3
Other	6.6	7.9	68.1	11.6	4.2
Total of all construction -					
By private sector	819.3	789.0	4,363.8	18.1	537.3
By public sector	967.5	922.5	4,422.2	20.9	290.6
Total	1,786.9	1,711.5	8,786.1	19.5	827.9

## REFERENCES

## Data sources

The Construction Industry Survey (CIS) consisted of separate collections for the private and public sectors. The private sector collection was conducted as a component of the ABS's integrated economic statistics program. This program has been developed so that data from each industry sector conform to the same basic conceptual standards, thereby allowing comparative analysis across different industry sectors. The results of this survey are therefore comparable with economic censuses undertaken annually for the mining and electricity and gas industries and periodically for the transport, manufacturing, wholesale, retail, and selected service industries. However, as the public sector collection used different concepts, the public sector results cannot validly be aggregated with those for the private sector.

The Building Activity Survey involves a sample survey of private sector house construction activity and complete enumeration of building jobs other than private sector house construction. From the September quarter in 1985, the scope of the Building Activity Survey changed in respect of non-residential building activity. Only non-residential building jobs (both new and alterations and additions) with an approval value of \$30,000 or more are now included in the survey, whereas previously, jobs with an approval value of \$10,000 or more were included. The building commencements collection is based on building permits issued by local government authorities, and contracts let by or day labour work authorised by Commonwealth, State, semi-government, and local government authorities.

The quarterly Engineering Construction Survey is based on a sample of all construction enterprises operating in Australia, in both private and public sectors. The survey aims to measure the value of all engineering construction work undertaken in Victoria. For the Engineering Construction Survey, all enterprises recorded on the ABS central register of economic units and classified to the construction industry, and all other units known to be undertaking engineering construction work (from trade journals, newspapers, etc.) are included in the survey framework.

## ABS publications

- Housing Finance for Owner Occupation, Australia* (5609.0)
- The Labour Force, Victoria* (6202.2)
- The Labour Force, Australia* (6203.0)
- Dwelling Unit Commencements Reported by Approving Authorities, Victoria* (8741.2)
- Building Activity, Australia: Dwelling Unit Commencements, Preliminary* (8750.0)
- Building Activity, Australia* (8752.0)
- Building Activity, Victoria* (8752.2)
- Engineering Construction, Australia* (8762.0)
- Private Sector Construction Establishments, Details of Operations, Australia, 1984-85* (8772.0)
- Private Sector Construction Establishments, Details of Operations, Victoria, 1984-85* (8772.2)
- Public Sector Construction Activity Survey, 1984-85* (8775.0)

## Non - ABS sources

- Commonwealth Department of Community Services and Health, Annual Report, 1987-88*



# 11

## TRANSPORT, COMMUNICATION, AND TOURISM

### TRANSPORT

#### Introduction

In 1986-87 the Transport, storage, and communication industry sector contributed 7.5 per cent of the total Victorian Gross Domestic Product (GDP) at factor cost. This represented a marginal decline on the 8.0 per cent in 1980-81 to 1982-83, and the 7.6 per cent in 1983-84 and 1984-85.

During the period 1981-82 to 1986-87, Victoria's percentage share of the national GDP at factor cost for the Transport, storage, and communication industry declined from 25.3 per cent to 24.7 per cent.

**TABLE 11.1 TRANSPORT, STORAGE, AND COMMUNICATION INDUSTRY -  
GROSS DOMESTIC PRODUCT AT FACTOR COST**

	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Australia (\$m)	11,875	12,937	14,627	16,527	18,350	20,407
Victoria (\$m)	3,002	3,182	3,429	3,843	4,360	5,054
Victoria as a percentage of Australia	25.3	24.6	23.4	23.3	23.8	24.7

#### Metropolitan transport

Since 1983, the Metropolitan Transit Authority (MTA) has been responsible for the operations of the Melbourne metropolitan public transport system which utilises trains, trams, and buses. In 1987-88, the total number of vehicles in use had increased by 33 from the 1985-86 figure of 2068; the

**TABLE 11.2 METROPOLITAN TRANSIT AUTHORITY OPERATIONS AND SERVICES,  
VICTORIA**

Particulars	1985-86	1986-87	1987-88
Vehicles in service -			
Rail (excluding trams)	161	162	146
Tram	642	627	620
Government bus	315	323	335
Private bus	950	966	1000
<b>Total</b>	<b>2,068</b>	<b>2,078</b>	<b>2,101</b>
Passengers - boarding (millions)	288	291	296
Fares revenue (\$m)	158	176	187
Subsidies provided by Victorian Government (\$m)	333	271	329
Net annual deficit (\$m)	140	48	69

Source: Annual Reports of Melbourne Transit Authority



number of passengers had increased by 3.0 per cent to 296 million from the 1985-86 figure of 288 million, and fares revenue had increased by 18.0 per cent from \$158m in 1985-86 to \$187m. The net annual deficit in 1987-88 was \$69m, a 44.0 per cent increase on \$48m in 1986-87.

## Rail

Over the period 1982-83 to 1987-88, there was an 11.0 per cent decrease in the average number of kilometres open for traffic. Goods train traffic kilometres have also decreased, with the 1987-88 number (6.6m) being 23.0 per cent less than 1982-83 (8.6m). The number of suburban passenger journeys increased

**TABLE 11.3 RAILWAYS TRAFFIC, EXCLUDING ROAD MOTOR SERVICES, VICTORIA**

Traffic	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Average number of kilometres open for traffic	5,814	5,760	5,760	5,372	5,257	5,150
	('000)					
Traffic train kilometres -						
Country and interstate	7,004	7,552	7,047	7,857	7,507	7,045
Suburban	14,549	14,483	13,983	14,200	13,600	13,800
Goods	8,613	9,170	9,258	7,752	7,292	6,590
<b>Total</b>	<b>30,166</b>	<b>31,205</b>	<b>30,288</b>	<b>29,809</b>	<b>28,399</b>	<b>27,435</b>
Passenger journeys -						
Country and interstate	4,126	3,952	4,293	4,963	5,222	5,478
Suburban (a)	80,197	83,500	86,300	89,300	92,600	88,609
<b>Total</b>	<b>84,323</b>	<b>87,452</b>	<b>90,593</b>	<b>94,263</b>	<b>97,822</b>	<b>94,087</b>

(a) These figures exclude suburban rail journeys made on multi-modal tickets purchased on trams or buses.

Source: Ministry of Transport, Victoria.

**TABLE 11.4 COUNTRY AND PROVINCIAL ROAD PASSENGER SERVICES, VICTORIA**

	('000)		
Particulars	1984-85	1985-86	1986-87
<b>PRIVATE BUS SERVICES</b>			
Country services -			
Passengers	3,762	3,738	3,763
Bus kilometres	8,586	8,870	8,565
Revenue (\$)	4,044	4,403	4,858
Subsidy (\$)	1,290	1,720	3,280
Urban services (a) -			
Passengers	7,052	6,997	7,410
Bus kilometres	5,555	5,623	5,719
Revenue (\$)	3,391	3,414	3,927
Subsidy (\$)	5,000	6,190	7,550
<b>CONTRACT SERVICES</b>			
Passengers	347	462	428
Bus kilometres	3,439	4,212	4,043
Contract costs (\$)	2,883	3,838	3,909

(a) Covers the Geelong, Ballarat, Bendigo, and La Trobe Valley areas.

steadily from 80.2 million in 1982-83 to 88.6 million in 1987-88. Country and interstate passenger journeys have fluctuated in number over the period but at 5.5 million in 1987-88 they were 33.0 per cent more than in 1982-83 (4.1 million).

## Bus

Metropolitan Melbourne is served by both Government and private buses. From 1 July 1983, bus services in Victorian country areas and provincial centres came under the control of the State Transport Authority (V/Line). The services are operated by private bus companies, some of which are under contract to V/Line to provide coach services connecting with or extending the rail network.

## Roads and motor vehicles

In 1987-88 there were 166,398 kilometres of roads and streets open for general traffic, of which 7,537 kilometres were State highways and freeways and 14,793 kilometres were main roads. The total length of all roads and streets open for general traffic in Victoria increased marginally between 1985-86 and 1987-88 from 158,574 kilometres to 160,398 kilometres. Expenditure on roads and bridges by the Road Construction Authority between 1983-84 and 1988-89 has increased 23.0 per cent in current dollar terms. The construction of State highways and freeways constitute the biggest proportion of road and bridges total construction expenditure, varying from 57.0 per cent in 1983-84 to 55.0 per cent in 1988-89. The proportion of total maintenance expenditure to total construction expenditure on roads and bridges in these 6 years remained between 30.0 and 39.0 per cent.

**TABLE 11.5 LENGTH OF ALL ROADS AND STREETS OPEN FOR GENERAL TRAFFIC AT 30 JUNE (a), VICTORIA**  
(kilometres)

Type of road or street	1985-86	1986-87	1987-88
State highways, freeways	7,527	7,584	7,537
Main roads	14,867	14,771	14,793
Tourist roads, forest roads	1,851	1,848	1,848
Other roads and streets	134,329	135,173	136,220
<b>Total</b>	<b>158,574</b>	<b>159,376</b>	<b>160,398</b>

(a) Excludes roads which are the responsibility of the State Electricity Commission, Melbourne and Metropolitan Board of Works, and the Forests Commission.

**TABLE 11.6 ROAD CONSTRUCTION AUTHORITY, EXPENDITURE ON ROADS AND BRIDGES, VICTORIA (a)**  
(\$'000)

Particulars	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89
State highways -						
Construction	73,475	78,633	81,065	74,527	82,716	94,195
Maintenance	33,669	33,427	36,921	37,107	41,565	49,910
Freeways -						
Construction	80,310	94,571	114,498	123,696	100,452	111,283
Maintenance	8,051	8,627	7,474	10,619	11,933	15,142
Main roads -						
Construction	48,197	53,675	55,873	51,865	51,642	59,813
Maintenance	26,141	27,845	28,850	30,969	35,285	39,030



**TABLE 11.6 ROAD CONSTRUCTION AUTHORITY, EXPENDITURE ON ROADS AND BRIDGES, VICTORIA (a) - continued**  
(\$'000)

Particulars	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89
Unclassified roads -						
Construction	59,225	58,556	60,344	53,578	59,724	48,629
Maintenance	12,957	13,315	15,558	10,198	10,313	12,460
Tourists' roads -						
Construction	6,024	4,962	6,184	6,155	3,556	2,560
Maintenance	3,891	4,225	3,996	4,870	5,078	6,110
Forest roads -						
Construction	1,306	1,358	1,378	1,189	1,423	1,414
Maintenance	1,725	1,828	1,981	2,163	2,351	2,528
Rail-over road bridge protection		-	-	-	-	-
Traffic Facilities Program-works expenditure	12,644	14,340	12,953	14,743	7,635	7,515
Murray River bridges and punts	514	758	142	527	474	653
Traffic line marking	3,833	3,852	4,023	3,514	4,411	6,797
Wage Pause Employment Program	1,209	31	-	-	-	-
Metropolitan street name signing	-	1	476	703	189	-
Commonwealth Employment Program	-	78	124	260	-	-
<b>Total construction</b>	<b>268,537</b>	<b>291,755</b>	<b>319,342</b>	<b>311,010</b>	<b>299,513</b>	<b>317,894</b>
<b>Total maintenance</b>	<b>86,434</b>	<b>89,267</b>	<b>94,780</b>	<b>95,926</b>	<b>106,525</b>	<b>125,180</b>
<b>Total other</b>	<b>18,200</b>	<b>19,060</b>	<b>17,718</b>	<b>19,747</b>	<b>12,709</b>	<b>14,965</b>
<b>Total expenditure-works</b>	<b>373,171</b>	<b>400,082</b>	<b>431,840</b>	<b>426,683</b>	<b>418,747</b>	<b>458,039</b>

(a) Expenditure 1986-87 is on an accrual basis of accounting while previous years are on a/cash basis.

There were 2,575,200 motor vehicles on register in Victoria at 30 June 1988, a 14.0 per cent increase on the 2,257,700 at 30 June 1983. The greatest proportionate increases were in rigid trucks and buses, with increases of 28.0 and 17.0 per cent, respectively. Between 1983 and 1988 the only decrease was in panel vans; from 60,100 in 1983 to 51,500 in 1988, a decrease of 14.0 per cent. As a proportion of the Australian total of motor vehicles on register, the Victorian component increased steadily from 26.3 per cent in 1983 to 26.9 per cent in 1988.

**TABLE 11.7 MOTOR VEHICLES ON REGISTER AT 30 JUNE**  
('000)

Type of vehicle	1983	1984	1985	1986	1987	1988
Motor cars and station wagons	1,796.5	1,859.7	1,936.8	1,972.9	2,010.2	2,064.7
Utilities	127.0	133.4	137.8	139.2	142.8	145.4
Panel vans	60.1	60.4	59.0	56.0	57.4	51.5
Trucks -						
Rigid	157.5	168.5	181.1	187.0	193.1	201.7
Articulated	12.2	12.5	13.0	13.3	13.7	13.8
Other truck type vehicles	12.5	12.6	13.0	12.9	13.6	13.7
Buses	12.2	12.9	13.5	13.8	14.1	14.3
Motor cycles	79.6	81.7	83.4	81.8	84.5	70.1
<b>Total - Victoria</b>	<b>2,257.7</b>	<b>2,341.8</b>	<b>2,437.7</b>	<b>2,476.8</b>	<b>2,529.4</b>	<b>2,575.2</b>
<b>Total - Australia</b>	<b>8,589.8</b>	<b>8,832.8</b>	<b>9,118.3</b>	<b>9,290.5</b>	<b>9,374.3</b>	<b>9,544.4</b>
<b>Victoria as a percentage of Australia</b>	<b>26.3</b>	<b>26.5</b>	<b>26.7</b>	<b>26.7</b>	<b>27.0</b>	<b>26.9</b>



There were 140,612 riders' licences in force at the end of June 1989, an increase of 31 per cent on the 107,178 at the end of June 1984. Motor cycles on register at the end of June 1987 were 70,100 in number, which represented an increase of 12.0 per cent on the 1983 figure of 79,600. In contrast, drivers' licences in force at the end of June 1989 numbered 2,650,700, an increase of 17.0 per cent on 2,262,444 in 1984. Motor vehicles (excluding motor cycles) on register increased by 15.0 per cent from 2,178,100 in 1983 to 2,505,100 in 1988.

**TABLE 11.8 DRIVERS' AND RIDERS' LICENCES (a) IN FORCE AT 30 JUNE, VICTORIA**

Type of Licence	1984	1985	1986	1987	1988	1989
Drivers'	2,262,444	2,338,907	2,390,888	2,472,057	2,566,312	2,650,700
Riders'	107,178	112,532	109,557	118,301	130,394	140,612
<b>Total</b>	<b>2,369,622</b>	<b>2,451,439</b>	<b>2,500,445</b>	<b>2,590,358</b>	<b>2,696,706</b>	<b>2,791,312</b>

(a) A licence holder may hold both a drivers' and a riders' licence and be counted in both categories.

### Road traffic accidents

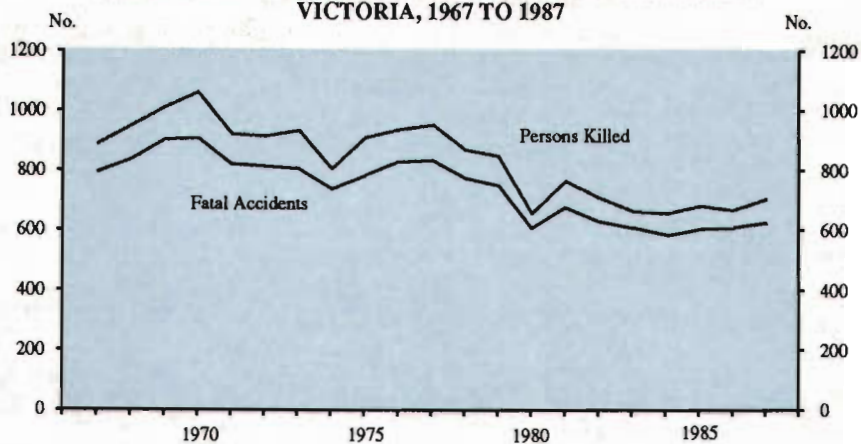
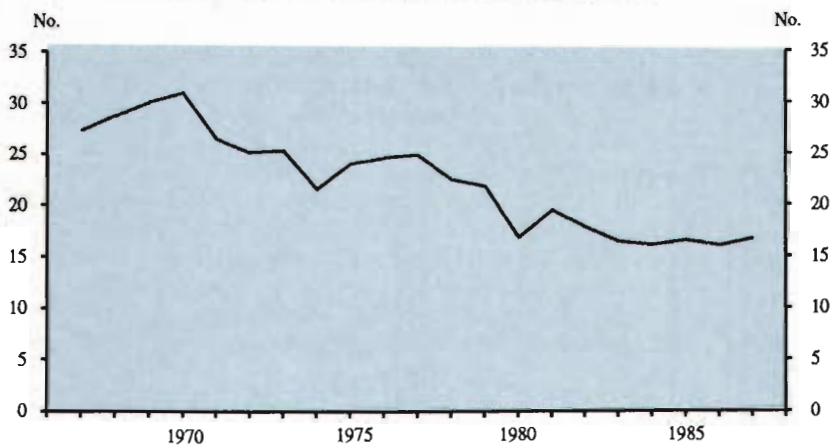
In 1987 the number of road traffic accidents involving casualties was 19,531, an increase of 27.0 per cent since 1982. The number of persons injured in these accidents was 25,723, an increase of 27.0 per cent over the same period. However, the number of persons killed in 1987 (705) decreased by 1 per cent from 1982 (709).

For the period 1985 to 1987, drivers of motor vehicles remained the highest category of all types of road users killed and injured. Drivers killed increased by 15.0 per cent from 268 to 309, whereas the number of drivers injured increased by 20.0 per cent, from 10,293 to 12,310. The next most severely affected category was passengers, where the number injured increased by 10.0 per cent, from 6,973 (1985) to 7,649 (1987). However, the number of passengers killed, after decreasing from 188 in 1985 to 165 in 1986, increased to 170 in 1987. The number of pedal cyclists killed decreased by 4.0 per cent from 26 in 1985 to 25 in 1987, whereas the number injured increased 25.0 per cent from 1,219 to 1,528. Over the same period, the age groups 17-20 years and 21-25 years suffered the greatest numbers killed and injured. Actual numbers killed in 1985 were highest in the age group 21-25 years, in 1986 in the age group 17-20 years and in 1987 in the age group 60 years and over.

In 1987 there were 17 road traffic accident deaths per 100,000 of the Victorian population. This figure has steadily declined from a peak of 32 in 1970.

**TABLE 11.9 ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, NUMBER OF PERSONS KILLED OR INJURED, VICTORIA**

Period	Fatal accidents	Total accidents	Persons killed	Persons injured	Per 100,000 of mean population		
					Total accidents	Persons killed	Persons injured
1982	631	15,380	709	20,293	385.2	17.8	508.2
1983	610	15,225	664	20,008	377.1	16.4	495.5
1984	584	16,001	657	21,311	392.4	16.1	522.5
1985	605	16,774	683	22,452	407.0	16.6	544.8
1986	610	17,291	668	23,274	415.2	16.0	558.9
1987	626	19,531	705	25,723	464.1	16.8	611.1

**FATAL ROAD TRAFFIC ACCIDENTS AND PERSONS KILLED  
VICTORIA, 1967 TO 1987****NUMBER OF PERSONS KILLED IN ROAD TRAFFIC ACCIDENTS  
PER 100,000 MEAN POPULATION, VICTORIA**

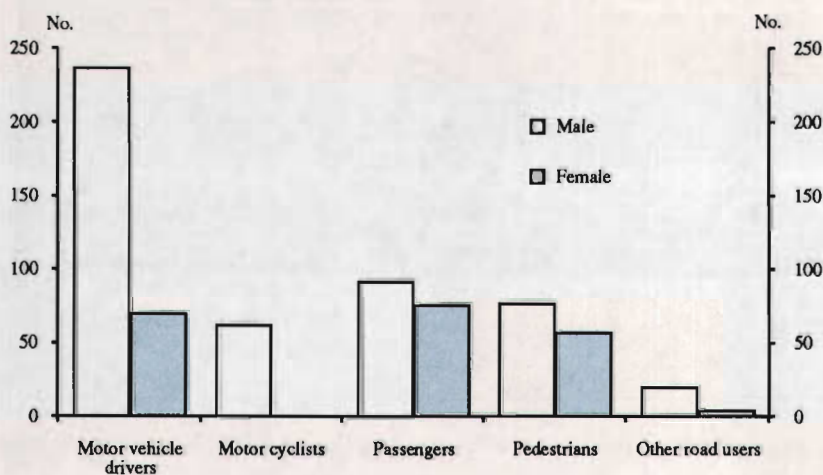
**TABLE 11.10 ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, VICTORIA AS A PERCENTAGE OF AUSTRALIA**

Particulars	1985	1986	1987
Accidents - Fatal	23.0	23.7	25.2
Serious injury (a)	29.3	29.7	n.a.
Casualties - Persons killed	23.2	23.1	25.4
Persons admitted to hospital	29.5	30.4	n.a.
Estimated mean resident population	26.2	26.0	25.9
Motor vehicles on register at 30 June	26.7	26.7	27.0

(a) A non-fatal road vehicle accident resulting in one or more persons being admitted to hospital.

**TABLE 11.11 ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, TYPE OF ROAD USER KILLED OR INJURED, VICTORIA**

Type of road user	1985		1986		1987	
	Killed	Injured	Killed	Injured	Killed	Injured
Drivers of motor vehicles	268	10,293	280	10,894	309	12,310
Motor cyclists	64	1,832	67	1,759	64	1,916
Passengers (any type)	188	6,973	165	7,293	170	7,649
Pedestrians	134	2,057	139	2,050	136	2,178
Pedal cyclists	26	1,219	16	1,190	25	1,528
Other	3	78	1	88	1	142
<b>Total</b>	<b>683</b>	<b>22,452</b>	<b>668</b>	<b>23,274</b>	<b>705</b>	<b>25,723</b>

**NUMBER OF PERSONS KILLED BY TYPE OF ROAD USER  
VICTORIA, 1987**



**TABLE 11.12 ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, AGES OF PERSONS KILLED OR INJURED, VICTORIA**

Age group (years)	1985		1986		1987	
	Killed	Injured	Killed	Injured	Killed	Injured
0 - 4	21	416	13	445	11	438
5 - 16	60	2,475	48	2,572	61	2,791
17 - 20	104	4,002	138	4,276	123	4,766
21 - 25	138	4,106	119	4,290	107	4,562
26 - 29	50	2,027	60	2,054	53	2,339
30 - 39	93	3,156	80	3,449	95	3,758
40 - 49	43	1,916	47	2,073	64	2,362
50 - 59	43	1,434	42	1,445	51	1,709
60 and over	131	1,765	121	1,906	139	2,151
Not stated	-	1,155	-	764	1	847
<b>Total</b>	<b>683</b>	<b>22,452</b>	<b>668</b>	<b>23,274</b>	<b>705</b>	<b>25,723</b>

**Air transport**

In 1988 there were 6.0 million domestic passengers embarking and disembarking at Melbourne (Tullamarine) airport from 69,227 domestic aircraft movements. The number of domestic passenger embarkations and disembarkations was the highest for the six year period 1983 to 1988, with the domestic aircraft movements 17.0 per cent higher than the 1983 figure of 57,497. International aircraft movements in 1987 were 13,641, a 27.0 per cent increase over 1983 (9,481).

**TABLE 11.13 MELBOURNE (TULLAMARINE) AIRPORT**

Particulars	1983	1984	1985	1986	1987	1988
Domestic aircraft movements	57,497	57,437	60,570	63,640	68,090	69,227
Domestic passengers embarked ('000)	2,211	2,322	2,519	2,606	2,776	3,022
Domestic passengers disembarked ('000)	2,223	2,324	2,521	2,614	2,785	3,012
International aircraft movements	9,481	10,575	11,359	12,691	13,641	13,864
Passengers arriving from/departing to overseas	919,370	1,043,546	1,156,681	1,261,913	1,372,915	1,525,386

Source: Department of Transport and Communications.

**TABLE 11.14 REGULAR DOMESTIC INTERSTATE AIR SERVICES TERMINATING IN VICTORIA**

Particulars	1983	1984(a)	1985	1986	1987	1988
Kilometres flown ('000)	44,322	43,752	46,577	49,313	52,254	56,281
Passenger kilometres ('000)	3,749,395	3,905,837	4,254,598	4,472,940	4,812,800	5,318,418
Freight -						
Tonnes	87,950	99,455	102,961	94,121	90,132	99,005
Tonne kilometres ('000)	70,976	82,511	84,565	80,001	77,410	79,945
Mail -						
Tonnes	7,567	7,954	8,151	8,054	8,906	10,474
Tonne kilometres ('000)	7,096	7,342	7,779	8,054	8,760	9,901

(a) Not comparable with previous series. From 1984, the statistics are based on traffic on board direct domestic interstate flights to or from Tullamarine and Essendon Airports.

Source: Department of Transport and Communications.

## COMMUNICATIONS

In 1988 there were 2.8 million telephone installations in Victoria, a ratio of 653 per 1,000 of the population. This ratio, which excluded switchboards and switching equipment, has increased from 592 in 1983. The number of public telephones in 1988 was 6,910, an increase of 6.0 per cent from 6,514 in 1983.

There were 942 million standard articles posted in Victoria and received from overseas in Victoria in 1988-89. This was 35.0 per cent more than in 1983-84 (698 million). The corresponding figure for registered articles (excluding registered parcels) in 1988-89 was 1.8 million, a decrease of 9.0 per cent on 1983-84 (2.0 million).

The number of television stations has remained the same from 1983 to 1988, but air radio broadcasting stations increased from 44 to 52 in the same period.

TABLE 11.15 TELEPHONE SERVICES AT 30 JUNE, VICTORIA

Particulars	1983	1984	1985	1986	1987	1988
Telephone exchanges	1,103	1,103	1,167	1,096	1,097	1,099
Public telephones	6,514	6,487	6,556	6,084	6,920	6,910
Services in operation ('000)	1,536	1,593	1,671	1,740	1,839	1,919
Instruments connected (a) ('000)	2,388	2,358	2,446	2,554	2,656	2,772
Instruments per 1,000 of population	592	579	593	611	631	653

(a) Telephone installations excluding switchboards and switching equipment.

Source: Australian Telecommunications Commission.

TABLE 11.16 POSTAL ARTICLES HANDLED BY AUSTRALIA POST, VICTORIA  
( '000)

Period	Standard articles	Registered articles (except parcels)	Non-standard articles	Parcels (including registered)
POSTED IN VICTORIA FOR DELIVERY WITHIN AUSTRALIA				
1983-84	622,338	687	110,860	7,962
1984-85	659,247	700	122,076	8,466
1985-86	676,452	662	133,487	9,295
1986-87	722,664	375	142,681	9,401
1987-88	792,202	311	142,822	9,419
1988-89	863,060	333	146,081	9,697
POSTED IN VICTORIA FOR DELIVERY OVERSEAS AND RECEIVED IN VICTORIA FROM OVERSEAS				
1983-84	75,171	1,234	18,705	1,258
1984-85	71,033	1,227	20,466	1,360
1985-86	71,920	1,183	20,012	1,219
1986-87	71,900	1,309	20,453	1,385
1987-88	72,614	1,390	21,881	1,396
1988-89	78,632	1,428	25,462	1,389
TOTAL POSTED IN VICTORIA AND RECEIVED FROM OVERSEAS IN VICTORIA				
1983-84	697,509	1,921	129,565	9,220
1984-85	730,280	1,927	142,542	9,826
1985-86	748,372	1,845	153,499	10,514
1986-87	794,564	1,684	163,134	10,786
1987-88	864,816	1,701	164,703	10,815
1988-89	941,692	1,761	171,543	11,086

Source: Australian Postal Commission



**TABLE 11.17 BROADCAST AND TELEVISION STATIONS LICENSED AT 30 JUNE, VICTORIA**

<i>Particulars</i>	<i>1983</i>	<i>1984</i>	<i>1985</i>	<i>1986</i>	<i>1987</i>	<i>1988</i>
Broadcasting stations -						
Commercial	24	24	24	24	24	24
National	12	13	15	15	16	16
Special Broadcasting Service	1	1	1	1	1	1
Public	7	7	7	8	11	11
<b>Total</b>	<b>44</b>	<b>45</b>	<b>47</b>	<b>48</b>	<b>52</b>	<b>52</b>
Television stations -						
Commercial	9	9	9	9	9	9
National	9	9	9	9	9	9
Special Broadcasting Service	1	1	1	1	1	1
<b>Total</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>

Source: Australian Broadcasting Tribunal.

### TOURISM

A quarterly accommodation survey is undertaken to provide information about the utilisation of available tourist accommodation. These surveys commenced from the September quarter 1975. Data collected includes the available capacity, room occupancy, bed occupancy, and takings from accommodation. Currently, the types of accommodation surveyed are hotels, motels, and guest houses with facilities; caravan parks; and holiday flats, units, and houses.

Accommodation establishments in the snow districts of Victoria, which are located within the North Eastern and Goulburn Statistical Divisions, usually experience high occupancy during the September quarter. Occupancy rates in the Northern Mallee Statistical Division tend to be highest in the cooler months of the June and September quarters. For the remainder of the State, high occupancy occurs during the Christmas school holidays, particularly in the statistical divisions with coastal resorts.

**TABLE 11.18 HOTELS, MOTELS AND GUEST HOUSES WITH FACILITIES: NUMBER OF ESTABLISHMENTS (a), NUMBER OF GUEST ROOMS (a), OCCUPANCY RATES (b) AND TAKINGS (b); BY STATISTICAL DIVISION, VICTORIA**

		<i>1983-84</i>	<i>1984-85</i>	<i>1985-86</i>	<i>1986-87</i>	<i>1987-88</i>	<i>1988-89</i>
<b>MELBOURNE STATISTICAL DIVISION</b>							
Establishments	No.	180	178	179	185	188	212
Guest rooms	No.	8,399	8,566	8,784	9,582	9,661	10,739
Room Occupancy rate	Per cent	61.3	64.2	65.8	62.8	65.3	66.3
Takings from accommodation	\$'000	90,652	107,243	123,783	148,567	190,535	230,528
<b>BARWON STATISTICAL DIVISION</b>							
Establishments	No.	50	50	52	57	64	70
Guest rooms	No.	972	993	1,025	1,078	1,148	1,315
Room occupancy rate	Per cent	45.5	45.6	45.5	45.0	45.7	44.5
Takings from accommodation	\$'000	5,327	5,829	6,311	7,025	8,416	10,390



**TABLE 11.18 HOTELS, MOTELS AND GUEST HOUSES WITH FACILITIES: NUMBER OF ESTABLISHMENTS (a), NUMBER OF GUEST ROOMS (a), OCCUPANCY RATES (b) AND TAKINGS (b); BY STATISTICAL DIVISION, VICTORIA - continued**

		1983-84	1984-85	1985-86	1986-87	1987-88	1988-89
SOUTH WESTERN STATISTICAL DIVISION							
Establishments	No.	50	50	52	57	61	71
Guest rooms	No.	1,035	1,038	1,019	1,057	1,145	1,353
Room occupancy rate	Per cent	46.5	48.0	53.8	47.6	47.0	47.1
Takings from accommodation	\$'000	5,231	5,743	6,923	6,877	7,761	9,690
CENTRAL HIGHLANDS STATISTICAL DIVISION							
Establishments	No.	37	38	41	44	44	53
Guest rooms	No.	696	740	839	896	894	1,028
Room occupancy rate	Per cent	58.0	60.8	60.8	55.5	51.5	53.3
Takings from accommodation	\$'000	4,849	5,784	6,671	7,353	7,696	9,658
WIMMERA STATISTICAL DIVISION							
Establishments	No.	37	37	37	40	44	46
Guest rooms	No.	608	609	608	687	747	784
Room occupancy rate	Per cent	48.3	49.3	47.5	47.1	45.6	45.2
Takings from accommodation	\$'000	3,298	3,567	3,777	4,599	5,406	5,865
NORTHERN MALLEE STATISTICAL DIVISION							
Establishments	No.	50	50	50	51	52	63
Guest rooms	No.	1,369	1,367	1,368	1,370	1,402	1,561
Room occupancy rate	Per cent	55.0	56.8	59.0	54.9	51.6	48.1
Takings from accommodation	\$'000	8,825	9,691	10,676	10,581	11,082	12,101
LODDON - CAMPASPE STATISTICAL DIVISION							
Establishments	No.	62	61	59	62	68	89
Guest rooms	No.	988	985	969	1,013	1,147	1,548
Room occupancy rate	Per cent	53.8	55.0	55.8	53.0	49.9	46.5
Takings from accommodation	\$'000	6,142	6,664	7,190	7,333	8,810	12,001
GOULBURN STATISTICAL DIVISION							
Establishments	No.	67	69	71	77	77	112
Guest rooms	No.	1,146	1,197	1,194	1,342	1,352	2,033
Room occupancy rate	Per cent	43.5	42.2	42.8	43.3	41.1	39.2
Takings from accommodation	\$'000	6,053	6,462	7,178	8,096	8,774	12,446
NORTH EASTERN STATISTICAL DIVISION							
Establishments	No.	76	75	76	77	77	98
Guest rooms	No.	1,459	1,424	1,428	1,423	1,479	1,931
Room occupancy rate	Per cent	41.3	40.1	43.1	46.2	45.8	44.4
Takings from accommodation	\$'000	8,131	8,370	9,852	10,714	10,542	13,335
EAST GIPPSLAND STATISTICAL DIVISION							
Establishments	No.	51	51	54	59	60	64
Guest rooms	No.	1,020	1,011	1,065	1,110	1,117	1,187
Room occupancy rate	Per cent	49.0	50.3	49.3	47.1	47.3	48.6
Takings from accommodation	\$'000	5,684	6,256	6,763	7,144	8,010	9,115

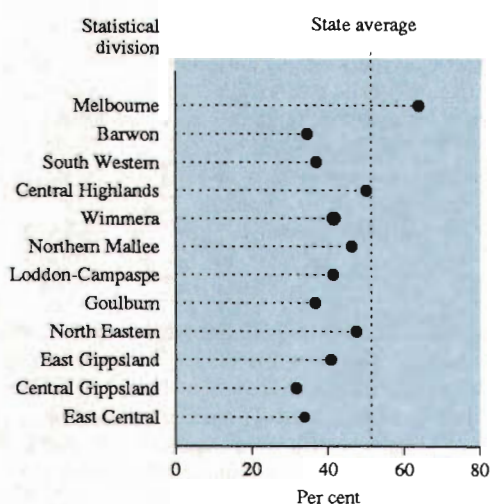
**TABLE 11.18 HOTELS, MOTELS AND GUEST HOUSES WITH FACILITIES: NUMBER OF ESTABLISHMENTS (a), NUMBER OF GUEST ROOMS (a), OCCUPANCY RATES (b) AND TAKINGS (b); BY STATISTICAL DIVISION, VICTORIA - continued**

		1983-84	1984-85	1985-86	1986-87	1987-88	1988-89
<b>CENTRAL GIPPSLAND STATISTICAL DIVISION</b>							
Establishments	No.	39	38	39	41	40	55
Guest rooms	No.	738	717	737	774	727	1,030
Room occupancy rate	Per cent	43.3	41.3	39.3	36.3	34.5	37.4
Takings from accommodation	\$'000	3,215	3,240	3,182	3,345	3,350	5,510
<b>EAST CENTRAL STATISTICAL DIVISION</b>							
Establishments	No.	30	30	30	32	30	22
Guest rooms	No.	576	583	609	606	555	416
Room occupancy rate	Per cent	40.0	39.3	38.0	37.2	41.4	46.2
Takings from accommodation	\$'000	3,066	3,203	3,213	3,487	4,062	3,990
<b>TOTAL VICTORIA</b>							
Establishments	No.	729	727	740	782	805	955
Guest rooms	No.	19,006	19,230	19,645	20,938	21,374	24,925
Room occupancy rate	Per cent	53.5	55.5	56.5	54.5	54.9	54.6
Takings from accommodation	\$'000	150,784	172,049	195,522	225,120	274,447	334,629

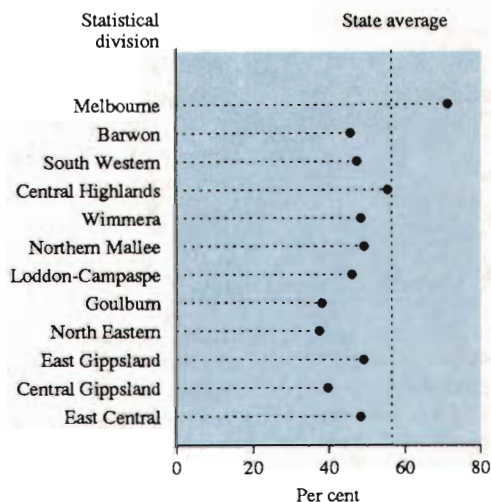
(a) Number of establishments and number of guest rooms as at 30 June of each year.

(b) Room occupancy rates and takings from accommodation represent the average and total respectively, for each twelve months period.

### SEPTEMBER QUARTER 1988

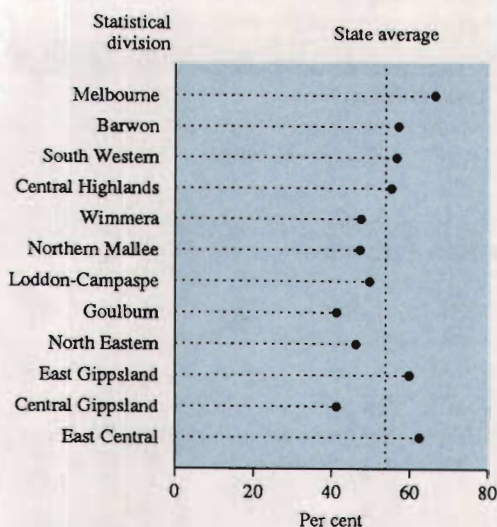


### DECEMBER QUARTER 1988

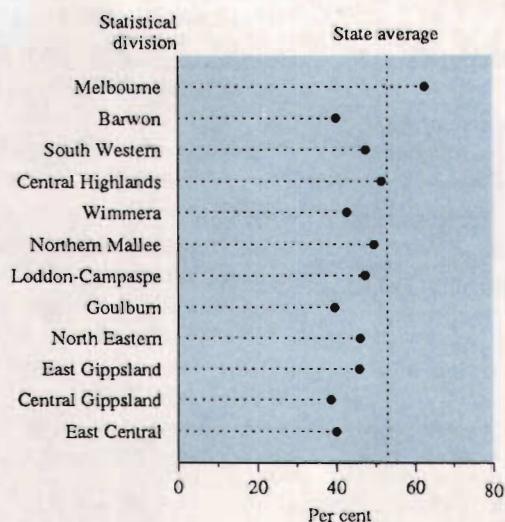




## MARCH QUARTER 1989



## JUNE QUARTER 1989



## REFERENCES

## Data sources

The latest year for which ABS estimates are available for State Gross Domestic Product at factor cost by industry is 1983-84. For subsequent years, use has been made of estimates for gross operating surplus prepared by the Victorian Department of Management and Budget.

The statistics on Metropolitan Transport, railways, country and provincial road passengers services, and expenditure on roads and bridges have been obtained through the Ministry of Transport, Victoria: lengths of roads and streets is based on information supplied by the Road Construction Authority and municipal councils. Motor vehicles statistics were obtained from the Road Traffic Authority, Victoria, and the Commonwealth Department of Administrative Services (for Australian Government owned vehicles). Drivers' and riders' licences figures were provided by the Road Traffic Authority, Victoria.

Road traffic accident statistics are compiled by the ABS from data provided by the Road Traffic Authority, Victoria. The statistics on air transport were obtained from the Commonwealth Department of Transport and Communications; telephone services statistics from the Australian Telecommunications Commission; postal statistics from the Australian Postal Commission and the numbers of broadcast and television stations from the Australian Broadcasting Tribunal.

Tourist accommodation statistics are derived from the quarterly ABS Accommodation Survey. The survey covers hotels, motels and guest houses with facilities, short and long term caravan parks; and from the September quarter 1987, holiday flats, units, and houses.



**ABS publications**

*Tourist Accommodation, Australia* (8635.0)  
*Tourist Accommodation, Victoria* (8635.2)  
*Tourist Accommodation, Four and Five Star Hotels and Motels, Victoria* (8646.2)  
*Shipping and Air Cargo Commodity Statistics, Australia* (9206.0)  
*Motor Vehicle Registrations, Australia (monthly)* (9303.0)  
*Motor Vehicle Registrations, Victoria* (9303.2)  
*Motor Vehicle Registrations, Australia (annual)* (9304.0)  
*Motor Vehicle Census, Australia* (9309.0)  
*Road Traffic Accidents Involving Fatalities, Australia* (9401.0)  
*Road Traffic Accidents Involving Casualties (Admissions to Hospitals), Australia* (9405.0)  
*Road Traffic Accidents Involving Casualties, Victoria* (9406.2)

# APPENDIX : HISTORICAL STATISTICS

## HISTORICAL STATISTICS

The following tables provide a historical summary of some statistics relating to Victoria. They have been based on tables appearing in previous *Victorian Year Books*, *Historical Statistics of Victoria* 1986 ABS Cat. No. 1309.2, and other ABS sources. It has been necessary to convert certain previously published historical series into metric units.

A blank space indicates that the figures are not available.

A line drawn across a column between two consecutive figures indicates a break in the continuity of the series.

## DEMOGRAPHY

### POPULATION, VICTORIA - continued

Year	Population at 31 December (a) (b)				Mean population (a) (b)		Population of Melbourne (b) (d)
	Males	Females	Total Persons	Masculinity (c)	Year ended 30 June	Year ended 31 December	
1936	186	38	224	489.47			200
1837	984	280	1,264	351.43		744	
1838	3,080	431	3,511	714.62		2,388	
1839	4,104	1,713	5,822	238.88		4,667	
1840	7,254	3,037	10,291	238.85		8,057	4,000
1841	14,391	6,025	20,416	238.85		15,354	4,479
1842	15,691	8,108	23,799	193.52		22,108	
1843	15,892	8,211	24,103	193.55		23,951	
1844	17,626	9,108	26,734	193.52		25,419	
1845	20,624	10,656	31,280	193.54		29,007	
1846	23,531	14,803	38,334	158.96		34,807	12,351
1847	26,004	16,932	42,936	153.58		40,635	
1949	30,697	20,693	51,390	148.34		47,163	
1849	39,556	26,664	66,220	148.35		58,795	
1850	45,495	30,667	76,162	148.35		71,191	
1851	58,235	39,254	97,489	148.35		86,826	23,143
1852	110,825	57,496	168,321	192.75		132,905	
1853	146,456	75,980	222,436	192.76		185,368	
1854	185,249	98,693	283,942	187.70		253,189	76,565
1855	226,462	120,843	347,305	187.40		315,524	
1856	251,349	139,035	390,384	180.78		368,845	
1857	291,523	164,999	456,522	176.68		423,453	
1858	314,923	181,223	496,146	173.78		476,334	
1859	325,259	195,813	521,072	166.11		508,609	
1860	330,302	207,932	538,234	158.85		529,653	
1861	320,888	218,876	539,764	146.61		538,999	139,916
1862	322,298	229,090	551,388	140.69		545,576	
1863	324,731	243,175	567,906	133.54		559,647	148,873
1864	341,102	256,901	598,003	132.78		582,955	154,375

POPULATION, VICTORIA - *continued*

Year	Population at 31 December (a) (b)				Mean population (a) (b)		Population of Melbourne (b) (d)
	Males	Females	Total Persons	Masculinity (c)	Year ended 30 June	Year ended 31 December	
1865	348,717	269,074	617,791	129.60		607,897	160,586
1866	354,757	278,845	633,602	127.22		625,697	167,476
1867	360,112	288,190	648,302	124.96		640,952	174,366
1868	371,066	300,258	671,324	123.58		659,813	181,945
1869	383,665	313,097	696,762	122.54		684,043	190,212
1870	397,230	326,695	723,925	121.59		710,344	202,975
1871	407,628	338,822	746,450	120.31		735,188	215,991
1872	411,027	348,401	759,428	117.98		752,939	229,125
1873	416,756	357,052	773,808	116.72		622,618	236,990
1874	421,201	364,907	786,108	115.43		779,958	242,800
1875	424,269	370,665	794,934	114.46		790,521	254,873
1876	428,243	377,181	805,424	113.54		800,179	248,878
1877	433,777	385,158	818,935	112.62		812,180	253,577
1878	438,077	391,841	829,918	111.80		824,427	260,738
1879	442,699	399,058	841,757	110.94		835,838	271,100
1880	450,558	408,047	858,605	110.42		850,181	281,037
1881	457,782	416,183	873,965	110.00		866,285	288,169
1882	466,788	425,977	892,765	109.58		883,365	297,937
1883	477,671	434,782	912,453	109.86		902,609	313,550
1884	490,266	445,511	935,777	110.05		924,115	334,030
1885	504,097	455,741	959,838	110.61		947,808	358,500
1886	523,864	469,853	993,717	111.50		976,778	381,590
1887	541,216	484,260	1,025,476	111.76		1,099,597	405,520
1888	571,425	507,652	1,079,077	112.56		1,052,277	432,350
1889	582,672	522,266	1,104,938	111.57		1,092,008	459,360
1890	595,519	538,209	1,133,728	110.65		1,119,333	482,600
1891	606,395	551,977	1,158,372	109.86		1,146,050	486,620
1892	608,666	560,081	1,168,747	108.67		1,163,560	469,390
1893	609,500	566,670	1,176,170	107.56		1,172,459	449,560
1894	609,379	572,776	1,182,155	106.39		1,179,163	444,340
1895	607,933	577,743	1,185,676	105.23		1,183,916	452,210
1896	599,497	580,353	1,179,850	103.30		1,182,763	458,300
1897	599,621	582,485	1,182,106	102.94		1,180,978	466,895
1898	598,332	583,949	1,182,281	102.46		1,182,194	480,390
1899	599,765	588,776	1,188,541	101.87		1,185,411	489,600
1900	601,773	594,440	1,196,213	101.23		1,192,377	494,905
1901	608,436	601,464	1,209,900	101.16	1,197,438	1,203,137	501,580
1902	604,318	603,913	1,208,231	100.07	1,207,236	1,207,527	502,840
1903	599,950	604,792	1,204,742	99.20	1,206,498	1,205,296	505,760
1904	597,617	607,991	1,205,608	98.29	1,203,347	1,202,814	511,520
1905	598,134	612,287	1,210,421	97.69	1,203,846	1,206,046	519,925
1906	600,856	618,976	1,219,832	97.07	1,209,319	1,213,672	530,660
1907	605,775	627,032	1,232,807	96.61	1,219,304	1,225,503	543,115
1908	614,937	635,512	1,250,449	96.76	1,232,489	1,240,488	557,350
1909	631,021	646,001	1,277,022	97.68	1,249,987	1,261,169	573,255
1910	646,482	654,926	1,301,408	98.71	1,271,500	1,282,477	588,000
1911	668,818	671,075	1,339,893	99.66	1,301,138	1,320,652	612,190
1912	690,056	692,497	1,382,553	99.65	1,337,796	1,357,824	636,200
1913	707,444	707,972	1,415,416	99.93	1,378,226	1,395,881	660,160
1914	713,307	721,881	1,435,188	98.81	1,412,176	1,427,512	680,470
1915	694,210	730,235	1,424,445	95.07	1,433,971	1,431,632	688,890
1916	666,245	738,418	1,404,663	90.23	1,424,896	1,414,480	702,120
1917	671,075	745,985	1,417,060	89.96	1,408,480	1,411,381	716,150



## POPULATION, VICTORIA - continued

Year	Population at 31 December (a) (b)				Mean population (a) (b)		Population of Melbourne (b) (d)
	Males	Females	Total Persons	Masculinity (c)	Year ended 30 June	Year ended 31 December	
1918	684,243	753,002	1,437,245	90.87	1,416,900	1,424,054	730,830
1919	739,956	763,079	1,503,035	96.97	1,442,619	1,473,013	750,940
1920	753,803	774,106	1,527,909	97.38	1,497,806	1,512,093	776,840
1921	765,306	785,421	1,550,727	97.44	1,524,498	1,537,042	800,520
1922	789,517	800,756	1,590,273	98.60	1,552,601	1,570,883	831,060
1923	807,884	817,571	1,625,455	98.82	1,589,673	1,607,850	861,760
1924	825,919	831,232	1,657,151	99.36	1,625,703	1,641,944	889,720
1925	840,817	843,234	1,684,051	99.71	1,657,111	1,671,537	917,080
1926	855,035	856,952	1,711,987	99.78	1,683,724	1,696,758	945,500
1927	870,718	871,114	1,741,832	99.95	1,711,855	1,727,734	971,000
1928	879,478	882,268	1,761,746	99.68	1,741,432	1,751,974	990,650
1929	886,472	891,797	1,778,269	99.40	1,761,212	1,770,133	1,006,000
1930	892,422	900,183	1,792,605	99.14	1,778,761	1,786,217	999,650
1931	896,429	907,141	1,803,570	98.82	1,792,802	1,799,241	995,600
1932	900,663	912,724	1,813,387	98.68	1,804,014	1,808,618	993,800
1933	904,868	919,349	1,824,217	98.42	1,814,797	1,820,497	995,800
1934	909,806	926,854	1,836,660	98.16	1,824,660	1,830,326	1,000,000
1935	910,740	930,855	1,841,595	97.84	1,835,578	1,838,206	1,008,300
1936	913,959	935,648	1,849,607	97.68	1,841,636	1,845,941	1,016,500
1937	916,974	940,017	1,856,991	97.55	1,850,071	1,853,765	1,024,300
1938	924,034	947,065	1,871,099	97.57	1,858,585	1,865,251	1,035,600
1939	929,470	953,663	1,883,133	97.46	1,872,287	1,878,918	1,050,700
1940	947,037	967,881	1,914,918	97.85	1,886,751	1,900,426	1,083,000
1941	964,619	981,806	1,946,425	98.25	1,916,727	1,932,412	1,114,900
1942	970,729	991,829	1,962,558	97.87	1,948,710	1,959,496	1,143,900
1943	979,549	1,002,067	1,981,616	97.75	1,965,473	1,973,533	1,156,600
1944	986,889	1,011,065	1,997,954	97.61	1,981,997	1,989,870	1,168,900
1945	994,784	1,020,323	2,015,107	97.50	1,998,202	2,006,649	1,180,200
1946	1,006,395	1,033,374	2,039,769	97.39	2,015,197	2,025,475	1,189,800
1947	1,016,724	1,045,985	2,062,709	97.20	2,039,348	2,053,916	1,228,300
1948	1,039,037	1,069,088	2,108,125	97.19	2,070,116	2,091,581	1,247,800
1949	1,071,759	1,097,125	2,168,884	97.69	2,115,830	2,142,529	1,272,300
1950	1,114,497	1,122,685	2,237,182	99.27	2,174,844	2,209,013	1,302,200
1951	1,150,009	1,149,529	2,299,538	100.04	2,242,882	2,276,272	1,330,800
1952	1,189,262	1,177,457	2,366,719	101.00	2,309,708	2,343,610	1,359,100
1953	1,212,060	1,203,975	2,416,035	100.67	2,372,366	2,395,851	1,388,800
1954	1,244,739	1,233,247	2,477,986	100.93	2,422,839	2,452,741	1,524,111
1955	1,281,891	1,264,441	2,546,332	101.38	2,485,222	2,520,481	1,575,300
1956	1,319,445	1,298,667	2,618,112	101.60	2,556,148	2,592,670	1,629,400
1957	1,348,351	1,332,204	2,680,555	101.21	2,625,609	2,656,363	1,677,100
1958	1,379,857	1,365,303	2,745,165	101.07	2,687,115	2,717,371	1,726,100
1959	1,413,523	1,397,906	2,811,429	101.12	2,749,994	2,783,951	1,777,700
1960	1,453,815	1,434,475	2,888,290	101.35	2,819,650	2,857,032	1,831,100
1961	1,485,348	1,469,951	2,955,299	101.05	2,893,417	2,926,075	1,984,936
1962	1,511,418	1,499,625	3,011,043	100.79	2,956,769	2,983,715	2,029,240
1963	1,540,749	1,530,297	3,071,046	100.68	3,011,833	3,041,442	2,077,560
1964	1,573,966	1,563,955	3,137,921	100.64	3,073,384	3,105,685	2,130,980
1965	1,602,058	1,593,802	3,195,860	100.52	3,136,319	3,165,594	2,180,800
1966	1,627,787	1,622,056	3,249,843	100.35	3,194,035	3,221,403	2,230,793
1967	1,653,363	1,650,243	3,303,606	100.19	3,249,885	3,277,183	2,283,000
1968	1,679,213	1,677,614	3,356,827	100.10	3,302,366	3,328,451	2,331,000
1969	1,710,586	1,710,592	3,421,178	100.00	3,356,773	3,388,417	2,389,700
1970	1,739,916	1,742,115	3,482,031	99.87	3,420,609	3,450,523	2,447,600



## POPULATION, VICTORIA - continued

Year	Population at 31 December (a) (b)				Mean population (a) (b)		Population of Melbourne (b) (d)
	Males	Females	Total Persons	Masculinity (c)	Year ended 30 June	Year ended 31 December	
1971 (e)	1,815,332	1,818,511	3,633,843	99.83	3,481,370	3,519,881	2,575,000
1972	1,841,114	1,845,022	3,686,136	99.79	3,632,733	3,661,084	2,616,400
1973	1,863,086	1,867,738	3,730,824	99.75	3,685,499	3,707,460	2,652,700
1974	1,887,222	1,892,365	3,779,587	99.73	3,730,502	3,754,761	2,685,800
1975	1,896,188	1,904,468	3,800,656	99.57	3,774,902	3,788,394	2,711,200
1976	1,905,656	1,918,285	3,823,941	99.34	3,799,937	3,811,360	2,723,700
1977	1,918,212	1,934,377	3,852,589	99.16	3,823,831	3,837,834	2,740,800
1978	1,927,106	1,947,395	3,874,501	98.96	3,852,206	3,864,925	2,757,200
1979	1,937,866	1,962,127	3,899,993	98.76	3,875,422	3,886,929	2,771,000
1980	1,951,449	1,979,206	3,930,655	98.60	3,899,760	3,914,238	2,787,400
1981	1,969,349	1,999,049	3,968,398	98.51	3,931,159	3,949,166	2,806,300
1982	1,991,532	2,021,155	4,012,687	98.53	3,969,101	3,991,755	2,833,800
1983	2,012,443	2,042,055	4,054,498	98.55	4,013,824	4,035,029	2,861,700
1984	2,033,611	2,064,029	4,097,640	98.53	4,055,564	4,076,346	2,884,600
1985	2,055,418	2,085,003	4,140,421	98.58	4,098,084	4,119,696	2,909,100
1986	2,076,765	2,106,654	4,183,419	98.58	4,140,430	4,161,531	2,931,900
1987	2,102,870	2,130,687	4,233,557	98.69	4,184,229	4,208,733	2,965,600
1988	2,117,323	2,144,622	4,261,945	98.72	4,235,610	4,262,605	3,002,329

(a) All estimates have been corrected for discrepancies disclosed by the various censuses up to the census of 30 June 1981. Figures from 1939 to 1946 include all living Australian defence service personnel irrespective of whether they were within Australia or overseas, but exclude members of Allied Services and prisoners of war and internees from overseas. The population estimates from 1947 onwards include defence personnel in Australia and exclude members of the forces overseas.

(b) Figures for 1961 and subsequent years include full-blood Aborigines.

(c) Number of males per 100 females.

(d) Figures shown for the population of Melbourne from 1841 to 1861 inclusive are as at the following census dates: 2 March for 1841, 1846, and 1851, 26 April 1854, 29 March 1857, and 7 April 1861.

From 1863 to 1953, the figures shown are estimates at 31 December, those for 1954 and subsequent years are estimates or census counts at 30 June. The figures shown for the years 1863 to 1921 relate to the population within a 16 kilometre radius of the Melbourne G.P.O. From 1921 to 1960 the figures relate to the population of the City of Melbourne and adjoining municipal areas within boundaries defined for census purposes at the respective censuses of 1921, 1933, 1947, and 1954. From 1961 onwards, the figures relate to the population within a new fixed outer boundary embracing an area referred to as the Melbourne Statistical Division.

(e) From 1971 onwards, figures are estimated resident population.

## MARRIAGES, DIVORCES, BIRTHS, AND DEATHS (a) (b), VICTORIA

Year	Marriages		Divorces (c)		Births		Deaths		Infant mortality	
	Number	Crude rate	Decrees granted	Crude rate	Number	Crude rate	Number	Crude rate	Number	Crude rate (d)
1836	-	-	-	-	1	-	3	-	-	-
1837	1	1.34	-	-	7	9.41	1	1.34	-	-
1838	15	6.28	-	-	28	11.73	20	8.38	-	-
1839	57	12.21	-	-	142	30.43	67	14.36	-	-
1840	177	21.97	-	-	358	44.43	198	24.57	-	-
1841	406	26.44	-	-	618	40.25	319	20.78	-	-
1842	514	23.25	-	-	1,025	46.36	413	18.68	-	-
1843	364	15.20	-	-	1,317	54.99	313	13.07	-	-
1844	328	12.90	-	-	1,336	52.56	240	9.44	-	-
1845	316	10.89	-	-	1,521	52.44	327	11.27	-	-
1846	301	8.65	-	-	1,596	45.85	328	9.42	-	-
1847	337	8.29	-	-	1,661	40.88	361	8.88	-	-
1848	351	7.44	-	-	1,789	37.93	405	8.59	-	-
1849	593	10.08	-	-	1,913	32.53	593	10.08	-	-
1850	969	13.61	-	-	2,673	37.55	780	10.96	-	-



**MARRIAGES, DIVORCES, BIRTHS, AND DEATHS (a) (b), VICTORIA - continued**

Year	Marriages		Divorces (c)		Births		Deaths		Infant mortality	
	Number	Crude rate	Decrees granted	Crude rate	Number	Crude rate	Number	Crude rate	Number	Crude rate (d)
1851	1,023	11.78	-	-	3,049	35.12	1,165	13.42		
1852	1,958	14.73	-	-	3,756	28.26	2,105	15.84		
1853	2,703	13.83	-	-	3,025	15.48	3,213	16.44		
1854	3,765	14.87	-	-	7,542	29.79	6,261	24.73		
1855	3,847	12.19	-	-	11,941	37.83	6,603	20.92		
1856	4,116	11.16	-	-	14,420	39.10	5,728	15.53		
1857	4,524	10.68	-	-	17,384	41.05	7,449	17.59		
1858	4,552	9.56	-	-	19,929	41.84	9,015	18.93		
1859	4,769	9.38	-	-	22,092	43.44	9,469	18.62		
1860	4,351	8.21	-	-	22,863	43.17	12,061	22.77		
1861	4,434	8.23	1	-	23,461	43.53	10,522	19.52		
1862	4,525	8.29	11	0.02	24,391	44.71	10,080	18.48		
1863	4,227	7.55	7	0.01	23,906	42.72	9,502	16.98	2,844	118.97
1864	4,554	7.81	13	0.02	25,680	44.05	8,887	15.24	2,778	108.18
1865	4,497	7.40	11	0.02	25,915	42.63	10,461	17.21	3,538	136.52
1866	4,253	6.80	6	0.01	25,010	39.97	12,286	19.64	3,838	153.46
1867	4,490	7.01	8	0.01	25,608	39.95	11,733	18.31	3,534	138.00
1868	4,692	7.11	7	0.01	27,243	41.29	10,067	15.26	3,054	112.10
1869	4,735	6.92	15	0.02	26,040	38.07	10,630	15.54	3,284	126.11
1870	4,732	6.66	9	0.01	27,151	38.22	10,420	14.67	3,203	117.97
1871	4,693	6.38	7	0.01	27,382	37.24	9,918	13.49	3,114	113.72
1872	4,791	6.36	2	-	27,361	36.34	10,831	14.38	3,334	121.85
1873	4,974	6.49	10	0.01	28,100	36.65	11,501	15.00	3,181	113.20
1874	4,925	6.31	6	0.01	26,800	34.36	12,222	15.67	3,341	124.66
1875	4,985	6.31	14	0.02	26,720	33.80	15,287	19.34	3,811	142.63
1876	4,949	6.18	8	0.01	26,769	33.45	13,561	16.95	2,980	111.32
1877	5,103	6.28	11	0.01	26,010	32.02	12,776	15.73	3,299	126.84
1878	5,092	6.18	9	0.01	26,581	32.24	12,702	15.41	3,262	122.72
1879	4,986	5.97	4	-	26,839	32.11	12,120	14.50	3,219	119.94
1880	5,286	6.22	11	0.01	26,148	30.76	11,652	13.71	3,105	118.75
1881	5,896	6.81	9	0.01	27,145	31.33	12,302	14.20	3,119	114.90
1882	6,309	7.14	12	0.01	26,747	30.28	13,634	15.43	3,722	139.16
1883	6,771	7.50	27	0.03	27,541	30.51	13,006	14.41	3,150	114.37
1884	7,218	7.81	12	0.01	28,850	31.22	13,505	14.61	3,281	113.73
1885	7,395	7.80	22	0.02	29,975	31.63	14,364	15.15	3,771	125.80
1886	7,737	7.92	16	0.02	30,824	31.56	14,952	15.31	3,924	127.30
1887	7,768	7.69	23	0.02	33,043	32.73	16,005	15.85	4,296	130.01
1888	8,946	8.50	29	0.03	34,503	32.79	16,287	15.48	4,401	127.55
1889	9,194	8.42	25	0.02	36,359	33.30	19,392	17.76	5,549	152.62
1890	9,187	8.21	40	0.04	37,578	33.57	18,012	16.09	4,412	117.41
1891	8,780	7.66	99	0.09	38,505	33.60	18,631	16.26	4,861	126.24
1892	7,723	6.64	92	0.08	37,831	32.51	15,851	13.62	4,041	106.82
1893	7,004	5.97	92	0.08	36,552	31.18	16,508	14.08	4,302	117.70
1894	7,029	5.96	83	0.07	34,258	29.05	15,430	13.09	3,567	104.12
1895	7,181	6.07	85	0.07	33,706	28.47	15,636	13.21	3,450	102.36
1896	7,625	6.45	108	0.09	32,178	27.21	15,714	13.29	3,540	110.01
1897	7,568	6.41	117	0.10	31,310	26.51	15,126	12.81	3,235	103.32
1898	7,620	6.45	87	0.07	30,172	25.52	18,695	15.81	4,047	134.13
1899	8,140	6.87	107	0.09	31,008	26.16	16,578	13.99	3,541	114.20
1900	8,308	6.97	93	0.08	30,779	25.81	15,215	12.76	2,936	95.39
1901	8,406	6.99	83	0.07	31,008	25.77	15,904	13.22	3,192	102.94
1902	8,477	7.02	109	0.09	30,461	25.23	16,177	13.40	3,308	108.60
1903	7,605	6.31	101	0.08	29,569	24.53	15,595	12.94	3,146	106.40
1904	8,210	6.83	141	0.12	29,763	24.74	14,393	11.97	2,319	77.92



## MARRIAGES, DIVORCES, BIRTHS, AND DEATHS (a) (b), VICTORIA - continued

Year	Marriages		Divorces (c)		Births		Deaths		Infant mortality	
	Number	Crude rate	Decrees granted	Crude rate	Number	Crude rate	Number	Crude rate	Number	Crude rate (d)
1905	8,774	7.28	137	0.11	30,107	24.96	14,676	12.17	2,508	83.30
1906	8,930	7.36	125	0.10	30,844	25.41	15,237	12.55	2,866	92.92
1907	9,575	7.81	134	0.11	31,365	25.59	14,539	11.86	2,277	72.60
1908	9,335	7.53	152	0.12	31,097	25.07	15,766	12.71	2,676	86.05
1909	9,431	7.48	139	0.11	31,544	25.01	14,436	11.45	2,251	71.36
1910	10,239	7.98	141	0.11	31,437	24.51	14,732	11.49	2,417	76.88
1911	11,088	8.40	214	0.16	33,026	25.01	15,216	11.52	2,269	68.70
1912	11,738	8.64	252	0.19	35,796	26.36	16,589	12.22	2,666	74.48
1913	11,324	8.11	239	0.17	25,970	25.77	15,474	11.09	2,537	70.53
1914	11,829	8.29	243	0.17	36,222	25.37	16,503	11.56	2,835	78.27
1915	12,832	8.96	219	0.15	35,009	24.45	15,823	11.05	2,408	68.78
1916	11,342	8.02	207	0.15	34,235	24.20	16,489	11.66	2,555	74.63
1917	9,505	6.73	202	0.14	33,033	23.40	14,555	10.31	1,877	56.82
1918	9,156	6.43	236	0.17	31,597	22.19	15,177	10.66	1,951	61.75
1919	11,706	7.95	348	0.24	31,619	21.47	19,370	13.15	2,147	67.90
1920	14,898	9.85	375	0.25	36,213	23.95	16,832	11.13	2,669	73.70
1921	13,676	8.90	389	0.25	35,591	23.16	16,165	10.52	2,582	72.55
1922	12,996	8.27	378	0.24	36,288	23.10	15,155	9.65	1,936	53.35
1923	13,126	8.16	431	0.27	35,877	22.31	17,219	10.71	2,356	65.67
1924	13,296	8.10	408	0.25	36,140	22.01	16,503	10.05	2,216	61.32
1925	13,370	8.00	458	0.27	35,922	21.49	15,837	9.47	2,047	56.98
1926	13,405	7.90	470	0.28	35,362	20.84	16,335	9.63	1,969	55.68
1927	13,608	7.88	517	0.30	35,074	20.30	16,773	9.71	1,966	56.05
1928	13,186	7.53	484	0.28	34,498	19.69	17,708	10.11	1,919	55.63
1929	12,935	7.31	548	0.31	33,604	18.98	16,717	9.44	1,587	47.23
1930	11,641	6.52	388	0.22	33,127	18.55	15,959	8.93	1,544	46.61
1931	10,182	5.66	425	0.24	30,332	16.86	17,033	9.47	1,349	44.47
1932	11,744	6.49	459	0.25	27,464	15.19	16,805	9.29	1,181	43.00
1933	12,668	6.96	499	0.27	28,392	15.60	17,456	9.59	1,148	40.43
1934	13,862	7.57	621	0.34	27,828	15.20	18,648	10.19	1,242	44.63
1935	15,409	8.38	608	0.33	27,884	15.17	18,456	10.04	1,148	41.17
1936	15,915	8.62	690	0.37	28,883	15.65	18,778	10.17	1,222	42.31
1937	16,226	8.75	800	0.43	29,731	16.04	18,613	10.04	1,091	36.70
1938	17,113	9.17	830	0.44	30,344	16.27	18,955	10.16	1,038	34.21
1939	17,368	9.24	805	0.43	30,493	16.23	20,169	10.73	1,085	35.58
1940	22,299	11.73	822	0.43	31,962	16.82	20,293	10.68	1,261	39.45
1941	20,898	10.81	842	0.44	34,406	17.80	20,522	10.62	1,246	36.21
1942	23,636	12.06	959	0.49	35,927	18.33	21,973	11.21	1,497	41.67
1943	18,356	9.30	1,383	0.70	39,117	19.82	21,327	10.81	1,399	35.76
1944	17,857	8.97	1,694	0.85	39,358	19.78	20,502	10.30	1,258	31.96
1945	16,501	8.22	1,759	0.88	41,200	20.53	20,496	10.21	1,155	28.03
1946	21,405	10.57	1,651	0.82	46,693	23.05	21,534	10.63	1,268	27.16
1947	20,437	9.95	2,294	1.12	47,366	23.06	21,442	10.44	1,245	26.28
1948	20,035	9.58	1,681	0.80	46,099	22.04	21,825	10.43	1,103	23.93
1949	20,066	9.37	1,780	0.83	46,873	21.88	21,991	10.26	1,026	21.89
1950	20,320	9.20	1,604	0.73	49,830	22.56	22,341	10.11	1,001	20.09
1951	21,117	9.28	1,730	0.76	50,553	22.21	23,446	10.30	1,143	22.61
1952	20,220	8.63	1,616	0.69	53,738	22.93	23,322	9.95	1,198	22.29
1953	19,238	8.03	2,128	0.89	53,561	22.36	22,650	9.45	1,133	21.15
1954	19,404	7.91	1,539	0.63	54,660	22.29	22,554	9.20	1,055	19.30
1955	20,056	7.96	1,691	0.67	56,336	22.35	22,527	8.94	1,035	18.37
1956	20,137	7.77	1,270	0.49	58,393	22.52	23,886	9.21	1,128	19.32
1957	20,239	7.62	1,362	0.51	60,464	22.76	24,131	9.08	1,219	20.16
1958	20,649	7.60	1,717	0.63	61,269	22.55	23,625	8.69	1,178	19.23



## MARRIAGES, DIVORCES, BIRTHS, AND DEATHS (a) (b), VICTORIA - continued

Year	Marriages		Divorces (c)		Births		Deaths		Infant mortality	
	Number	Crude rate	Decrees granted	Crude rate	Number	Crude rate	Number	Crude rate	Number	Crude rate (d)
1959	20,456	7.35	1,877	0.67	62,245	22.36	25,078	9.01	1,320	21.21
1960	20,627	7.22	1,313	0.46	64,025	22.41	24,547	8.59	1,182	18.46
1961	21,264	7.27	1,257	0.43	65,886	22.52	24,500	8.37	1,173	17.80
1962	22,393	7.51	1,623	0.54	65,890	22.09	25,847	8.66	1,219	18.50
1963	22,061	7.25	1,626	0.53	65,649	21.59	26,920	8.85	1,242	18.92
1964	24,169	7.78	2,151	0.69	64,990	20.93	27,548	8.87	1,098	16.89
1965	26,421	8.35	2,103	0.66	63,550	20.08	28,031	8.86	1,109	17.45
1966	27,089	8.41	2,144	0.67	64,008	19.87	28,673	8.90	1,116	17.44
1967	28,004	8.55	2,054	0.63	65,485	19.98	28,373	8.66	1,101	16.81
1968	29,724	8.93	2,525	0.76	70,228	21.10	29,967	9.00	1,010	14.38
1969	30,860	9.11	2,235	0.66	71,035	20.96	28,976	8.55	1,066	15.01
1970	31,729	9.20	2,604	0.75	73,019	21.16	30,335	8.79	1,060	14.52
1971	32,386	9.20	3,079	0.87	75,498	21.45	30,598	8.69	1,107	14.66
1972	31,206	8.52	3,664	1.00	71,713	19.59	29,937	8.18	1,048	14.59
1973	30,203	8.15	3,313	0.89	66,910	18.05	30,738	8.29	958	14.27
1974	29,708	7.91	4,465	1.19	66,052	17.60	30,973	8.25	989	14.94
1975	27,806	7.34	5,683	1.50	61,797	16.31	29,579	7.81	806	13.02
1976	28,760	7.55	16,633	4.36	60,531	15.88	30,884	8.10	702	11.57
1977	27,558	7.18	10,859	2.83	59,389	15.48	29,542	7.70	653	10.97
1978	27,178	7.03	10,820	2.80	58,687	15.19	29,206	7.56	616	10.47
1979	27,019	6.95	9,471	2.44	57,628	14.83	29,118	7.49	652	11.29
1980	27,724	7.08	9,207	2.35	58,022	14.82	29,453	7.53	592	10.17
1981	28,648	7.25	9,769	2.47	59,284	15.01	29,088	7.37	562	9.44
1982	28,851	7.23	11,266	2.82	59,876	15.00	30,694	7.68	641	10.69
1983	28,974	7.18	10,663	2.64	59,928	14.85	29,365	7.27	561	9.33
1984	28,931	7.10	10,501	2.57	59,485	14.59	29,532	7.24	525	8.78
1985	29,810	7.24	9,688	2.35	61,555	14.94	31,353	7.60	601	9.76
1986	29,390	7.06	9,670	2.32	60,162	14.46	30,175	7.20	517	8.60
1987	29,682	7.05	9,626	2.29	61,507	14.61	31,549	7.50	498	8.10
1988	30,687	7.20	10,250	2.40	62,134	14.58	30,726	7.20	486	7.80

(a) The Registration Act providing for the legal registration of births, deaths, and marriages in Victoria was passed in 1853. Prior to this date Victorian vital statistics were obtained from parish and church records which were regarded as being incomplete for statistical purposes. For this reason, the numbers of vital events and their corresponding rates for this period must be treated with caution. In particular, it is thought that in the year in which the new registration system was introduced (1853) both births and deaths were understated, the correct totals in each case would probably have exceeded five thousand. Figures for 1966 and subsequent years include particulars of full-blood Aborigines. From 1972 onwards figures for births and deaths are compiled on a State of usual residence basis.

(b) The rates are referred to as crude rates because they do not take into account important factors such as age structure, sex, and marital status of the population.

(c) The *Commonwealth Family Law Act 1975* came into operation on 5 January 1976 repealing the previous *Matrimonial Causes Act 1959*.

(d) Number of deaths under one year per 1,000 registered live births.

## POPULATION INCREASE, VICTORIA

Year (a)	Natural increase (b) (c) (d)	Apparent net migration (d)	Total increase (c)	Rate of natural increase (d)	Rate of apparent migration (d)	Rate of population growth per cent
1836	-2	226	224	-	-	-
1837	6	1,034	1,040	8.06	1,389.78	464.29
1838	8	2,239	2,247	3.35	937.60	177.77
1839	75	2,236	2,311	16.07	479.11	65.82
1840	160	4,309	4,469	19.86	534.81	76.76

POPULATION INCREASE, VICTORIA - *continued*

<i>Year (a)</i>	<i>Natural increase (b) (c) (d)</i>	<i>Apparent net migration (d)</i>	<i>Total increase (c)</i>	<i>Rate of natural increase (d)</i>	<i>Rate of apparent migration (d)</i>	<i>Rate of population growth per cent</i>
1841	299	9,826	10,125	19.47	639.96	98.39
1842	612	2,771	3,383	27.68	125.34	16.57
1843	1,004	-700	304	41.92	-29.23	1.28
1844	1,096	1,535	2,631	43.12	60.39	10.92
1845	1,194	3,352	4,546	41.16	115.56	17.00
1846	1,268	5,786	7,054	36.43	166.23	22.55
1847	1,300	3,302	4,602	31.99	81.26	12.01
1848	1,384	7,070	8,454	29.35	149.91	19.69
1849	1,320	13,510	14,830	22.45	229.74	28.86
1850	1,893	8,049	9,942	26.59	113.06	15.01
1851	1,884	19,443	21,327	21.70	223.93	28.00
1852	1,651	69,181	70,832	12.42	520.53	72.66
1853	(e)	54,303	54,115	(e)	277.94	32.15
1854	1,281	60,225	61,506	5.06	237.87	27.65
1855	5,338	58,025	63,363	16.91	183.84	22.32
1856	8,692	34,387	43,079	23.57	93.23	12.40
1857	9,935	56,203	66,138	23.46	132.73	16.94
1858	10,914	28,710	39,624	22.91	60.27	8.68
1859	12,623	12,303	24,926	24.82	24.19	5.02
1860	10,802	6,360	17,162	20.39	12.01	3.29
1861	12,939	-11,409	1,530	24.01	-21.17	0.28
1862	14,311	-2,687	11,624	26.23	-4.93	2.15
1863	14,404	2,114	16,518	25.74	3.78	3.00
1864	16,793	13,304	30,097	28.81	22.82	5.30
1865	15,454	4,334	19,788	25.42	7.13	3.31
1866	12,724	3,087	15,811	20.34	4.93	2.56
1867	13,875	825	14,700	21.65	1.29	2.32
1868	17,176	5,846	23,022	26.03	8.86	3.55
1869	15,410	10,028	25,438	22.53	14.66	3.79
1870	16,731	10,432	27,163	23.55	14.69	3.90
1871	17,464	5,061	22,525	23.75	6.88	3.11
1872	16,530	-3,552	12,978	21.95	-4.72	1.74
1873	16,599	-2,219	14,380	21.65	-2.89	1.89
1874	14,578	-2,278	12,300	18.69	-2.92	1.59
1875	11,433	-2,607	8,826	14.46	-3.30	1.12
1876	13,208	-2,718	10,490	16.51	-3.40	1.32
1877	13,234	277	13,511	16.29	0.34	1.68
1878	13,879	-2,896	10,983	16.83	-3.51	1.34
1879	14,719	-2,880	11,839	17.61	-3.45	1.43
1880	14,496	2,352	16,848	17.05	2.77	2.00
1881	14,843	517	15,360	17.13	0.60	1.79
1882	13,113	5,687	18,800	14.84	6.44	2.15
1883	14,535	5,153	19,688	16.10	5.71	2.21
1884	15,345	7,979	23,324	16.61	8.63	2.56
1885	15,611	8,450	24,061	16.47	8.92	2.57
1886	15,872	18,007	33,879	16.25	18.44	3.53
1887	17,038	14,721	31,759	16.88	14.58	3.20
1888	18,216	35,385	53,601	17.31	33.63	5.23
1889	16,967	8,894	25,861	15.54	8.14	2.40
1890	19,566	9,224	28,790	17.48	8.24	2.61



POPULATION INCREASE, VICTORIA - *continued*

<i>Year (a)</i>	<i>Natural increase (b) (c) (d)</i>	<i>Apparent net migration (d)</i>	<i>Total increase (c)</i>	<i>Rate of natural increase (d)</i>	<i>Rate of apparent migration (d)</i>	<i>Rate of population growth  per cent</i>
1891	19,874	4,770	24,644	17.34	4.16	2.17
1892	21,980	-11,605	10,375	18.89	-9.97	0.90
1893	20,044	-12,621	7,423	17.10	-10.76	0.64
1894	18,828	-12,843	5,985	15.97	-10.89	0.51
1895	18,070	-14,549	3,521	15.26	-12.29	0.30
1896	16,464	-22,290	-5,826	13.92	-18.85	-0.49
1897	16,184	-13,928	2,256	13.70	-11.79	0.19
1898	11,477	-11,302	175	9.71	-9.56	0.01
1899	14,430	-8,170	6,260	12.17	-6.89	0.53
1900	15,564	-7,892	7,672	13.05	-6.62	0.65
1901	15,104	-1,417	13,687	12.55	-1.18	1.14
1902	14,284	-15,953	-1,669	11.83	-13.21	-0.14
1903	13,974	-17,463	-3,489	11.59	-14.49	-0.29
1904	15,370	-14,504	866	12.78	-12.06	0.07
1905	15,431	-10,618	4,813	12.79	-8.80	0.40
1906	15,607	-6,196	9,411	12.86	-5.11	0.78
1907	16,826	-3,851	12,975	13.73	-3.14	1.06
1908	15,331	2,311	17,642	12.36	1.86	1.43
1909	17,108	9,465	26,573	13.57	7.50	2.13
1910	16,705	7,681	24,386	13.03	5.99	1.91
1911	17,810	20,675	38,485	13.49	15.66	2.96
1912	19,207	23,453	42,660	14.15	17.27	3.18
1913	20,496	12,367	32,863	14.68	8.86	2.38
1914	19,719	53	19,772	13.81	0.04	1.40
1915	19,186	-29,929	-10,743	13.40	-20.91	-0.75
1916	17,746	-37,528	-19,782	12.55	-26.53	-1.39
1917	18,478	-6,081	12,397	13.09	-4.31	0.88
1918	16,420	3,765	20,185	11.53	2.64	1.42
1919	12,249	53,541	65,790	8.32	36.35	4.58
1920	19,381	5,493	24,874	12.82	3.63	1.65
1921	19,426	3,392	22,818	12.64	2.21	1.49
1922	21,133	18,413	39,546	13.45	11.72	2.55
1923	18,658	16,524	35,182	11.60	10.28	2.21
1924	19,637	12,059	31,696	11.96	7.34	1.95
1925	20,085	6,815	26,900	12.02	4.08	1.62
1926	19,027	8,909	27,936	11.21	5.25	1.66
1927	18,301	11,544	29,845	10.59	6.68	1.74
1928	16,790	3,124	19,914	9.58	1.78	1.14
1929	16,887	-364	16,523	9.54	-0.21	0.94
1930	17,168	-2,832	14,336	9.61	-1.59	0.81
1931	13,299	-2,334	10,965	7.39	-1.30	0.61
1932	10,659	-842	9,817	5.89	-0.47	0.54
1933	10,936	-106	10,830	6.01	-0.06	0.60
1934	9,180	3,263	12,443	5.02	1.78	0.68
1935	9,428	-4,493	4,935	5.13	-2.44	0.27
1936	10,105	-2,093	8,012	5.47	-1.13	0.44
1937	11,118	-3,734	7,384	6.00	-2.01	0.40
1938	11,389	2,719	14,108	6.11	1.46	0.76
1939	10,324	1,718	12,034	5.49	0.91	0.64
1940	11,669	20,268	31,785	6.14	10.66	1.69

## POPULATION INCREASE, VICTORIA - continued

Year (a)	Natural increase (b) (c) (d)	Apparent net migration (d)	Total increase (c)	Rate of natural increase (d)	Rate of apparent migration (d)	Rate of population growth per cent
1941	13,884	18,995	31,507	7.18	9.83	1.65
1942	13,954	5,527	16,133	7.12	2.82	0.83
1943	17,790	3,789	19,058	9.01	1.92	0.97
1944	18,856	-955	16,338	9.48	-0.48	0.82
1945	20,704	-1,812	17,153	10.32	-0.90	0.86
1946	25,159	-327	24,662	12.42	-0.16	1.22
1947	25,924	-2,952	22,940	12.62	-1.44	1.13
1948	24,274	21,142	45,416	11.61	10.11	2.20
1949	24,882	35,877	60,759	11.61	16.75	2.88
1950	27,489	40,809	68,298	12.44	18.47	3.15
1951	27,107	35,249	62,356	11.91	15.49	2.79
1952	30,416	36,765	67,181	12.98	15.69	2.92
1953	30,911	18,405	49,316	12.90	7.68	2.08
1954	32,106	29,845	61,951	13.09	12.17	2.56
1955	33,809	34,537	68,346	13.41	13.70	2.76
1956	34,507	37,273	71,780	13.31	14.38	2.82
1957	36,333	26,110	62,443	13.68	9.83	2.39
1958	37,644	26,966	64,610	13.85	9.92	2.41
1959	37,167	29,097	66,264	13.35	10.45	2.41
1960	39,478	37,383	<u>76,861</u>	13.82	13.08	<u>2.73</u>
1961	41,386	15,310	56,696	14.14	5.23	1.96
1962	40,043	15,701	55,744	13.42	5.26	1.89
1963	38,729	21,274	60,003	12.73	6.99	1.99
1964	37,442	29,433	66,875	12.06	9.48	2.18
1965	<u>35,519</u>	22,420	57,939	<u>11.22</u>	7.08	1.85
1966	35,335	18,648	53,983	10.97	5.79	1.69
1967	37,112	16,651	53,763	11.32	5.08	1.65
1968	40,261	12,960	53,221	12.10	3.89	1.61
1969	42,059	22,292	64,351	12.41	6.58	1.92
1970	42,684	18,169	60,853	12.37	5.27	1.78
1971	44,900	9,479	54,379	12.79	2.70	1.56
1972	41,776	10,517	52,293	11.41	2.87	1.44
1973	36,172	8,516	44,688	9.76	2.30	1.21
1974	35,079	13,684	48,763	9.34	3.64	1.31
1975	32,218	-11,149	21,069	8.50	-2.94	0.56
1976	29,647	-6,362	23,285	7.78	-1.67	0.61
1977	29,847	-1,199	28,648	7.78	-0.31	0.75
1978	29,481	-7,569	21,912	7.63	-1.96	0.57
1979	28,510	-3,018	25,492	7.34	-0.78	0.66
1980	28,569	2,093	30,662	7.30	0.54	0.79
1981	30,196	7,779	37,975	7.65	1.97	0.97
1982	30,346	16,715	46,061	7.70	4.20	1.16
1983	29,378	14,538	43,916	7.40	3.60	1.07
1984	30,596	11,390	41,986	7.60	2.80	1.01
1985	30,269	14,359	44,628	7.40	3.50	1.07
1986	29,094	13,219	42,313	7.10	3.20	0.99
1987	30,555	17,535	48,090	7.30	4.20	1.16
1988	30,577	22,422	52,999	7.30	5.30	1.26

(a) For the period September 1939 to June 1947 troop movements were excluded and deaths of defence personnel, whether in Australia or overseas, included. Thus, for these years, the figures for natural increase and net migration do not equal the total increase figure.

(b) Excess of live births (where mother's State of usual residence is Victoria) over deaths (where deceased's State of usual residence is Victoria)

(c) Figures for 1966 and subsequent years include full-blood Aboriginals.

(d) See footnote (a) to preceding table. For reasons stated there, the natural increase and apparent net migration, together with their corresponding rates for this period, must be treated with caution.

(e) Not calculated. See footnote (a) to preceding table.



## INDUSTRIAL CONDITIONS

## INDUSTRIAL DISPUTES AND TRADE UNIONS, VICTORIA

Year	Industrial disputes during year (a)				Trade unions		
	Number of disputes	Workers involved (b)	Working days lost	Estimated loss in wages	Number of separate unions	Members	
						Males	Females
			'000	\$'000		'000	'000
1912					151	109.9	6.7
1913	29	6,177	78	72	162	122.4	7.7
1914	44	7,051	94	79	170	128.9	9.9
1915	38	6,243	64	57	161	129.1	12.9
1916	55	15,668	168	229	151	130.0	17.6
1917	52	18,090	820	758	156	129.9	18.9
1918	33	5,748	161	199	158	130.7	21.4
1919	62	22,606	601	786	160	138.0	26.6
1920	53	39,808	817	931	158	154.4	32.8
1921	20	6,280	213	139	159	161.1	34.9
1922	29	6,130	65	95	169	168.4	37.9
1923	29	7,050	99	217	160	165.4	40.7
1924	30	10,037	67	102	158	179.6	37.5
1925	19	8,600	132	262	154	182.5	38.4
1926	33	8,565	101	213	157	188.6	42.0
1927	24	9,221	54	89	149	201.5	46.1
1928	21	5,876	111	193	151	194.9	47.3
1929	11	21,612	1,297	2,261	151	192.8	48.0
1930	5	408	8	15	151	184.7	44.6
1931	10	4,643	28	50	150	166.1	37.9
1932	12	6,585	100	131	151	160.0	37.0
1933	12	7,450	27	41	149	156.4	38.7
1934	19	8,428	109	165	149	154.0	41.9
1935	20	7,901	46	63	147	159.1	40.0
1936	10	1,823	12	20	147	160.6	41.0
1937	11	3,814	71	114	147	168.7	41.1
1938	19	10,290	104	175	147	176.2	38.8
1939	10	2,169	27	40	149	176.6	40.2
1940	19	8,664	108	203	147	190.2	42.1
1941	22	20,117	139	242	146	215.8	54.5
1942	20	12,119	36	62	142		
1943	40	19,259	77	131	142	228.6	83.2
1944	53	13,642	73	146	141	232.9	82.1
1945	34	29,227	51	99	139	232.5	74.2
1946	35	76,817	507	1,087	151	255.4	69.0
1947	17	7,934	334	835	152	266.7	70.8
1948	21	41,889	160	481	156	283.8	74.8
1949	20	22,018	60	232	150	302.1	80.4
1950	33	73,987	1,208	4,791	152	325.2	81.1
1951	41	27,219	42	208	156	346.1	87.3
1952	33	61,920	116	678	159	337.8	78.6
1953	53	68,126	57	353	159	339.6	84.8
1954	76	44,813	136	920	158	350.1	83.8
1955	66	35,542	139	871	160	357.5	88.9
1956	54	37,877	112	772	162	356.5	84.8
1957	47	9,181	13	91	162	356.2	86.8
1958	66	46,718	100	681	161	355.3	88.9
1959	60	32,241	36	263	159	369.2	92.1
1960	98	86,004	103	794	157	381.1	98.1



INDUSTRIAL DISPUTES AND TRADE UNIONS, VICTORIA - *continued*

Year	Industrial disputes during year (a)				Trade unions			
	Number of disputes	Workers involved (b)	Working days lost	Estimated loss in wages	Number of separate unions	Members		
						Males	Females	Total
			'000	\$'000		'000	'000	'000
1961	91	52,747	72	610	156	385.8	101.0	486.8
1962	166	73,245	107	837	155	393.7	104.3	498.0
1963	180	87,978	173	1,510	154	401.3	113.6	514.9
1964	206	190,075	360	3,428	157	410.3	115.5	525.8
1965	208	121,798	214	2,061	156	418.0	119.8	537.8
1966	179	101,490	220	2,097	154	415.9	123.4	539.4
1967	212	84,521	107	1,107	152	413.9	131.6	545.5
1968	327	172,803	244	2,731	166	419.6	134.4	554.0
1969	367	356,429	717	8,620	165	423.6	139.6	563.3
1970	447	333,000	511	6,794	169	439.9	155.2	595.3
1971	362	380,100	689	9,727	170	453.3	168.8	622.1
1972	377	338,200	638	9,656	167	463.3	191.9	655.2
1973	431	189,800	781	13,223	168	486.7	198.0	684.8
1974	476	611,000	2,387	46,905	172	503.2	211.9	715.0
1975	424	570,900	1,222	31,897	171	507.4	219.0	726.5
1976	322	647,300	1,420	42,118	172	504.2	216.4	720.5
1977	244	120,700	586	20,752	172	504.7	224.4	729.1
1978	303	227,000	468	16,200	174	510.1	225.6	735.7
1979	325	661,500	1,486	53,266	174	514.5	235.5	750.0
1980	315	538,300	1,115	45,387	173	523.6	246.6	770.1
1981	376	404,900	1,236	64,345	173	522.9	248.8	771.7
1982	266	117,200	368	24,459	175	533.4	256.7	790.1
1983	231	103,700	258	n.a.	174	529.1	259.1	788.2
1984	223	72,400	188	n.a.	179	545.5	260.5	806.0
1985	262	130,900	356	n.a.	(c)177	568.0	290.5	858.5
1986	260	146,600	382	n.a.	176	586.9	299.5	886.4
1987	230	86,200	281	n.a.	166	578.4	297.3	875.7
1988	191	207,700	363	n.a.	166	571.9	311.6	883.5

(a) Refers only to disputes involving a stoppage of work of 10 man-days or more in the establishments where the stoppage occurred. Disputes not settled at the end of a year are included as new disputes in the figures for the following year. Statistical collection commenced in 1913.

(b) Includes persons stood down from work at the establishments where the stoppages occurred but were not themselves parties to the dispute.

(c) Trade Unions reported financial and total membership separately for the first time as at 30 June 1985.

## EDUCATION

## PRIMARY AND SECONDARY EDUCATION (a), VICTORIA

Year	Government schools							Non-government schools						
	Number of schools	Number of pupils			Number of teachers			Number of schools	Number of pupils			Number of teachers		
		Males	Females	Persons	Males	Females	Persons		Males	Females	Persons	Males	Females	Persons
1852	98			7,369				17			472			
1853	152			11,270				54			1763			
1854	259	9,606	7,772	17,378				132	1,303	1,426	2,729			
1855	370	11,417	9,826	21,243				168	1,483	1,752	3,235			
1856	455	13,654	12,385	26,039										
1857	540	17,481	15,753	33,234				135	1,348	2,089	3,437			
1858	595	20,610	18,277	38,887				145	1,569	1,976	3,545			
1859	605	22,663	19,698	42,361				167	1,346	2,558	3,904			
1860	665	25,167	21,520	46,687				221	1,938	3,043	4,981			
1861	671	28,120	23,225	51,345				211	1,968	3,160	5,128			
1862	673	31,268	25,883	57,151				316	3,633	4,757	8,390	167	388	555
1863	648	32,150	26,369	58,519	702	654	1,356	371	5,037	6,063	11,100	244	463	707
1864	647	31,450	25,532	56,982	730	675	1,405	300	4,120	5,043	9,163	192	391	583
1865	694	34,353	27,862	62,215	848	763	1,611	386	5,539	5,845	11,384	241	432	673
1866	730	36,582	29,455	66,037	886	835	1,721	476	7,064	8,128	15,192	311	595	906
1867	780	39,634	32,161	71,795	949	806	1,755	605	8,740	10,810	19,541	312	785	1,097
1868	802	42,471	34,774	77,245	980	920	1,900	628	8,729	11,901	20,639	420	870	1,290
1869	839	66,223	55,541	121,764	1,031	979	2,010	883	13,483	16,597	30,080	553	1,200	1,753
1870	908	67,225	56,160	123,385	1,097	1,041	2,138	959	14,028	16,940	30,968	590	1,277	1,867
1871	988	71,247	59,898	131,145	1,194	1,123	2,317	1,062	15,421	18,710	34,131	677	1,435	2,112
1872	1,048	73,826	62,136	135,962	1,250	1,166	2,416	888	11,186	13,595	24,781	605	1,236	1,841
1873	1,078	109,560	98,266	207,826	1,509	1,640	3,149	653	8,400	10,028	18,428	472	974	1,446
1874	1,111	111,408	104,736	216,144	1,767	1,948	3,715	610	10,652	11,796	22,448	550	959	1,509
1875	1,320	115,774	104,759	220,533	1,812	2,014	3,826	565	13,106	14,375	27,481	524	987	1,511
1876	1,498	122,350	109,210	231,560	1,819	1,953	3,772	645	13,455	15,392	28,847	542	1,104	1,646
1877	1,626	123,514	111,005	234,519	1,804	2,056	3,860	530	13,128	15,294	28,422	481	976	1,457
1878	1,664	121,471	109,698	231,169	1,824	2,082	3,906	592	17,890	19,192	37,082	608	1,078	1,686
1879	1,713	119,237	108,538	227,775	1,850	2,280	4,130	568	16,432	18,392	34,824	554	1,033	1,587
1880	1,810	120,123	109,600	229,723	1,857	2,351	4,208	643	13,308	14,826	28,134	425	1,091	1,516
1881	1,757	118,996	112,427	231,423	1,894	2,420	4,314	645	16,665	17,397	34,062	430	1,123	1,553
1882	1,762	114,520	108,425	222,945	1,828	2,351	4,179	655	16,490	17,953	34,443	424	1,127	1,551
1883	1,777	114,199	108,229	222,428	1,793	2,391	4,184	670	16,679	19,094	35,773	416	1,222	1,638
1884	1,803	114,286	107,768	222,054	1,783	2,432	4,215	655	17,090	18,025	35,115	449	1,186	1,635
1885	1,826	115,982	108,703	224,685	1,714	2,336	4,050	665	16,535	18,252	34,787	429	1,216	1,645
1886	1,870	119,133	111,443	230,576	1,712	2,466	4,178	691	16,950	18,861	35,811	408	1,272	1,680
1887	1,911	119,559	111,323	230,882	1,750	2,544	4,294	749	17,863	19,960	37,823	448	1,364	1,812
1888	1,933	125,645	116,401	242,046	1,693	2,541	4,234	753	19,396	20,895	40,291	437	1,441	1,878
1889	2,062	130,135	120,294	250,429	1,808	2,778	4,586	782	19,825	20,356	40,181	458	1,509	1,967
1890	2,170	129,932	120,165	250,097	1,845	2,863	4,708	791	20,186	19,995	40,181	479	1,558	2,037
1891	2,233	131,282	122,187	253,469	1,898	2,964	4,862	759	17,941	19,262	37,203	466	1,529	1,995
1892	2,140	129,209	120,577	249,786	1,910	3,067	4,977	745	17,568	18,776	36,344	434	1,539	1,973
1893	2,038	122,232	114,276	236,508	1,911	3,057	4,968	826	16,740	19,002	35,742	422	1,620	2,042
1894	1,956	119,697	111,624	231,321	1,778	2,851	4,629	867	17,863	20,199	38,062	445	1,696	2,141
1895	1,913	119,653	112,399	232,052	1,751	2,732	4,483	938	18,686	21,507	40,193	444	1,871	2,315
1896	1,886	121,178	114,439	235,617	1,760	2,737	4,497	930	19,681	22,363	42,044	444	1,913	2,357
1897	1,877	122,414	115,894	238,308	1,802	2,815	4,617	929	19,976	22,923	42,899	428	1,962	2,390
1898	1,877	122,614	115,743	238,357	1,788	2,830	4,618	945	20,551	23,375	43,926	436	2,004	2,440
1899	1,892	123,143	116,589	239,732	1,860	2,948	4,808	901	24,434	27,884	52,318	415	2,002	2,417
1900	1,948	125,661	118,006	243,667	1,897	3,080	4,977	884	23,475	28,359	51,834	397	1,951	2,348



## PRIMARY AND SECONDARY EDUCATION (a), VICTORIA - continued

Year	Government schools							Non-government schools						
	Number of schools	Number of pupils			Number of teachers			Number of schools	Number of pupils			Number of teachers		
		Males	Females	Persons	Males	Females	Persons		Males	Females	Persons	Males	Females	Persons
1901	1,967	110,481	104,631	215,112				862	21,289	24,251	45,540	385	2,017	2,402
1902	2,041	132,266	125,089	257,355	1,917	3,149	5,066	872	21,812	25,218	47,030	404	1,975	2,379
1903	1,988	129,330	122,325	251,655	1,990	3,047	5,037	798	21,429	24,221	45,650	407	1,962	2,369
1904	1,927	124,433	116,712	241,145	1,911	2,886	4,797	787	21,160	23,917	45,077	418	1,942	2,360
1905	1,935	121,510	113,104	234,614	1,881	2,808	4,689	771	21,485	24,451	45,936	421	1,868	2,289
1906	1,953	118,727	110,452	229,179	1,879	2,719	4,598	757	24,144	28,049	52,193	387	2,010	2,397
1907	1,974	119,953	111,806	231,759	2,009	3,102	5,111	751	24,843	28,528	53,371	412	1,901	2,313
1908	2,017	120,741	112,152	233,893	2,006	3,094	5,100	696	25,191	28,845	54,036	389	1,799	2,188
1909	2,035	120,654	112,683	233,337	2,102	3,190	5,292	678	24,998	28,823	53,821	381	1,797	2,178
1910	2,036	121,712	113,330	235,042	2,204	3,237	5,441	641	24,714	30,026	54,740	361	1,706	2,067
1911	2,059	121,275	113,491	234,766	2,218	3,354	5,572	587	25,936	29,957	55,893	337	1,638	1,975
1912	2,130	124,708	116,917	241,625	2,241	3,678	5,919	548	26,194	29,841	56,035	315	1,541	1,856
1913	2,169	127,079	118,503	245,582	2,371	3,804	6,175	519	27,182	30,516	57,698	321	1,525	1,846
1914	2,218	129,902	121,567	251,469	2,248	3,872	6,120	512	27,461	31,425	58,886	327	1,517	1,844
1915	2,274	132,243	123,850	256,093	2,297	4,215	6,512	509	28,211	32,654	60,865	331	1,548	1,879
1916	2,191	138,174	129,361	267,535	2,475	4,477	6,952	495	29,645	35,185	64,830	367	1,542	1,909
1917	2,251	134,283	127,479	261,762	2,481	4,551	7,032	495	29,526	34,843	64,369	427	1,543	1,970
1918	2,349	130,156	122,373	252,529	2,421	4,783	7,204	493	29,032	34,444	63,476			1,903
1919	2,406	127,857	119,934	247,791	2,485	4,801	7,286	486	30,088	33,018	63,106	385	1,606	1,991
1920	2,431	135,174	126,748	261,922				489	30,963	35,482	66,445	380	1,570	1,950
1921	2,455	136,127	127,391	263,518	2,438	4,845	7,283	486	31,615	36,433	68,048	402	1,661	2,063
1922	2,526	139,122	128,126	267,248	2,522	4,913	7,435	486	31,429	36,244	67,673	421	1,633	2,109
1923	2,584	142,037	130,619	272,656	2,611	4,963	7,574	486	32,943	37,672	70,615	430	1,724	2,154
1924	2,634	152,947	131,865	274,812	2,660	5,073	7,733	490	33,391	38,534	71,925	432	1,731	2,163
1925	2,702	144,858	135,173	280,031	2,716	5,108	7,824	495	33,260	38,512	71,772			2,212
1926	2,714	147,521	136,482	284,003	3,081	5,490	8,571	493	33,925	39,324	73,249			2,220
1927	2,753	149,824	138,275	288,099	3,356	6,033	9,389	483	33,342	39,219	72,561			2,253
1928	2,763	150,711	138,823	289,534	3,629	5,922	9,551	500	35,701	39,438	75,139			2,325
1929	2,789	152,240	139,600	291,840	3,857	5,875	9,732	501	35,822	40,064	75,886			2,249
1930	2,758	154,004	140,784	294,788	3,963	5,730	9,693	502	35,837	40,107	75,944			2,400
1931	2,747	155,046	141,444	296,490	3,906	5,476	9,382	505	31,682	38,660	73,342			2,286
1932	2,767	145,448	141,863	296,311	3,940	5,263	9,203	504	35,369	38,341	73,710			2,309
1933	2,756	153,833	141,244	292,077	3,987	5,125	9,112	508	35,597	38,248	73,845			2,400
1934	2,764	151,369	139,618	290,987	4,028	4,974	9,002	510	36,275	39,508	75,783			2,498
1935	2,754	150,778	138,381	289,159	4,060	4,818	8,878	518	37,210	40,804	78,014			2,501
1936	2,749	148,322	135,884	284,206	4,179	4,660	8,839	520	37,615	42,178	79,793			2,556
1937	2,742	141,417	129,202	270,619	4,180	4,731	8,911	520	36,917	41,986	78,903			2,492
1938	2,745	138,099	126,254	264,353	4,222	4,593	8,815	516	38,463	41,698	80,161			2,654
1939	2,739	138,312	125,011	263,323	4,309	4,645	8,954	514	38,333	42,322	80,655			2,719
1940	2,724	137,327	124,803	262,130	4,398	4,702	9,100	518	38,565	42,812	81,377			2,733
1941	2,697	134,822	122,448	257,270	4,421	4,921	9,342	518	38,410	42,898	81,308			2,744
1942	2,634	127,896	117,642	245,538	4,471	5,104	9,575	513	38,476	42,684	81,160			2,754
1943	2,613	124,408	111,383	235,791	4,341	5,456	9,797	508	40,138	44,373	84,511			2,853
1944	2,530	123,901	110,919	234,820	4,476	5,741	10,217	502	40,318	45,289	85,607			2,952
1945	2,493	120,832	108,341	229,173	4,005	5,006	9,011	473	39,803	42,793	82,596			2,827
1946	2,423	123,163	110,500	233,663	4,491	5,223	9,714	470	40,263	43,213	83,476			2,860
1947	2,345	123,858	114,030	237,888	4,115	4,524	8,639	469	40,927	43,812	84,739			2,910
1948	2,278	111,028	100,813	211,841	4,166	4,645	8,811	470	41,471	45,200	86,671			2,985
1949	2,231	116,152	105,248	221,400	4,279	4,560	8,839	472	43,685	46,374	90,059			3,015
1950	2,183	123,112	112,679	235,791	4,665	4,962	9,627	476	46,810	49,818	96,628			3,147



## PRIMARY AND SECONDARY EDUCATION (a), VICTORIA - continued

Year	Government schools							Non-government schools							
	Number of schools	Number of pupils			Number of teachers			Number of schools	Number of pupils			Number of teachers			
		Males	Females	Persons	Males	Females	Persons		Males	Females	Persons	Males	Females	Persons	
1951	2,119	130,704	118,045	248,749	4,672	4,616	9,288	479	49,414	52,900	102,314				3,272
1952	2,100	140,618	126,963	267,581	4,851	4,797	9,648	478	52,756	56,201	108,957				3,353
1953	2,090	149,907	135,372	285,279	5,058	5,031	10,089	489	55,438	59,682	115,120				3,449
1954	2,049	159,404	143,589	302,993	5,362	5,146	10,508	494	60,259	63,243	123,502	877	2,707		3,584
1955	2,087	168,287	151,683	319,970	5,566	5,976	11,542	506	64,261	69,446	133,707	894	2,881		3,775
1956	2,103	178,335	160,318	338,653	5,942	6,101	12,043	521	69,348	72,077	141,425	951	2,969		3,920
1957	2,132	189,937	170,639	360,576	6,051	6,274	12,325	532	73,240	75,226	148,466	987	3,060		4,047
1958	2,153	202,471	181,446	383,917	6,508	7,221	13,729	533	76,951	78,574	155,525	1,052	3,188		4,240
1959	2,184	213,059	190,903	403,962	6,817	7,604	14,421	545	79,229	83,313	162,542	1,067	3,380		4,447
1960	2,208	223,285	199,110	422,395	7,237	7,744	14,981	546	78,876	81,699	160,575	1,125	3,564		4,689
1961	2,222	233,153	206,587	439,740	7,665	8,811	16,476	548	81,462	84,403	165,865	1,195	3,665		4,860
1962	2,210	242,569	214,050	456,619	8,308	9,416	17,724	551	82,914	86,050	168,964	1,275	3,827		5,102
1963	2,223	249,176	220,664	469,840	9,718	9,323	19,041	562	84,901	88,852	173,753	1,477	4,539		6,016
1964	2,229	258,450	228,742	487,192	10,409	10,185	20,594	568	87,387	91,263	178,650	1,573	4,757		6,330
1965	2,232	266,815	237,305	504,120	10,956	10,943	21,899	582	89,191	93,415	182,606	1,658	5,042		6,700
1966	2,242	277,153	246,633	523,786	11,518	11,545	23,063	579	89,196	93,659	182,855	1,803	5,278		7,081
1967	2,241	285,721	254,560	540,281	12,072	12,301	24,373	578	90,333	95,189	185,522	1,874	5,564		7,438
1968	2,247	293,459	262,379	555,838	12,779	13,324	26,103	579	91,711	96,862	188,573	2,029	5,868		7,897
1969	2,235	301,622	270,503	572,125	13,294	14,663	27,957	572	92,427	97,025	189,452	2,089	5,918		8,007
1970	2,215	308,199	277,241	585,440	13,428	15,492	28,920	581	93,451	97,577	191,028	2,323	6,393		8,716
1971	2,197	312,203	281,730	593,933	13,847	16,365	30,212	571	93,546	97,669	191,215	2,332	6,473		8,805
1972	2,194	315,876	286,738	602,614	14,400	17,664	32,064	570	94,368	97,787	192,155	2,496	6,639		9,135
1973	2,179	316,391	289,253	605,644	15,336	18,879	34,215	569	95,135	98,302	193,437	2,644	6,944		9,588
1974	2,161	316,621	292,022	608,643	15,694	19,326	35,020	571	96,525	99,895	196,420	2,822	7,237		10,059
1975	2,161	321,124	296,988	618,112	16,621	21,107	37,728	578	97,646	101,193	198,839	2,995	7,530		10,525
1976	2,164	323,499	301,208	624,707	17,557	22,986	40,543	586	98,598	102,485	201,083	3,239	7,484		10,723
1977	2,162	323,285	303,032	626,317	18,184	23,711	41,895	584	99,391	103,927	203,318	3,543	7,813		11,356
1978	2,152	321,896	301,713	623,609	18,588	24,393	42,981	600	101,304	105,856	207,160	3,812	8,070		11,882
1979	2,155	316,430	297,989	614,419	18,629	24,134	42,763	617	103,696	107,445	211,141	4,136	8,520		12,656
1980	2,158	311,702	294,445	606,147	18,391	23,810	42,201	633	106,159	109,966	216,125	4,293	8,741		13,034
1981	2,149	306,510	288,532	595,042	18,206	23,563	41,769	632	108,734	112,877	221,611	4,606	9,209		13,815
1982	2,140	301,469	283,312	584,781	18,362	23,494	41,856	641	111,732	115,471	227,203	4,877	9,561		14,438
1983	2,124	300,900	281,134	582,034	19,096	23,799	42,895	659	115,369	118,802	234,171	5,191	10,053		15,244
1984	2,118	296,050	276,563	572,613	19,480	24,611	44,091	734	119,277	122,462	241,739	5,554	11,409		16,963
1985	2,118	288,595	270,169	558,764	19,008	24,868	43,876	734	121,230	123,946	245,176	5,736	11,646		17,382
1986	2,114	281,668	264,468	546,136	18,130	23,729	41,859	733	123,568	126,828	250,396	5,926	11,834		17,760
1987	2,091	276,789	261,106	537,895	18,003	24,683	42,686	729	124,992	128,094	253,086	6,047	12,000		18,047
1988	2,064	273,623	258,984	532,607	17,636	23,528	41,164	730	127,039	129,673	256,712	6,087	12,437		18,324

(a) Care should be taken in interpreting the data in this table. Comparability between years and between government and non-government schools is affected by differences in the organisation of grades, policy on student advancement flows from secondary to vocational education and the recruitment and employment of teachers. In addition, the census date has differed in some years. From 1980 the census has been at 1 July on the first school day thereafter.



## UNIVERSITY EDUCATION (a), VICTORIA

Year	Enrolments (b)					Number of academic staff (d)	Course completions (e)		
	Males	Female	Full- time	Part- time (c)	Total		Bachelor	Higher	Total
1855	17	-	17	-	17	4	-	-	-
1856	15	-	15	-	15	4	-	3	3
1857	54	-	54	-	54	5	-	-	-
1858	44	-	44	-	44	6	5	4	9
1859	60	-	60	-	60	6	1	1	2
1860	68	-	68	-	68	6	4	2	6
1861	100	-	100	-	100	7	4	1	5
1862	79	-	79	-	79	8	7	5	12
1863	68	-	68	-	68	10	4	4	8
1864	73	-	73	-	73	13	10	2	12
1865	94	-	94	-	94	15	5	3	8
1866	91	-	91	-	91	15	7	4	11
1867	89	-	89	-	89	15	9	7	16
1868	77	-	77	-	77	15	11	2	13
1869	98	-	98	-	98	14	6	7	13
1870	122	-	122	-	122	15	9	1	10
1871	122	-	122	-	122	14	15	4	19
1872	134	-	134	-	134	15	8	6	14
1873	133	-	133	-	133	20	18	3	21
1874	177	-	177	-	177	20	18	6	24
1875	199	-	199	-	199	20	22	7	29
1876	178	-	178	-	178	20	22	6	28
1877	213	-	213	-	213	20	22	4	26
1878	258	-	258	-	258	20	18	6	24
1879	273	-	273	-	273	20	47	9	56
1880	301	-	301	-	301	20	42	7	49
1881	368	2	370	-	370	20	44	11	55
1882	396	1	397	-	397	24	63	10	73
1883	387	2	389	-	389	22	46	18	64
1884	431	-	431	-	431	25	67	13	80
1885	443	1	444	-	444	22	63	14	77
1886	432	18	450	-	450	22	73	29	102
1887	471	21	492	-	492	29	96	19	115
1888	508	31	539	-	539	30	82	35	117
1889	497	40	537	-	537	32	102	27	129
1890	527	43	570	-	570	32	76	23	99
1891	582	70	652	-	652	33	94	25	119
1892	587	79	666	-	666	38	105	22	127
1893	560	79	639	-	639	38	93	22	115
1894	518	76	594	-	594	38	81	24	105
1895	496	199	695	-	695	37	120	21	141
1896	483	185	668	-	668	37	101	21	122
1897	490	196	686	-	686	38	117	28	145
1898	496	195	691	-	691	38	115	32	147
1899	489	238	727	-	727	39	105	26	131
1900	433	214	647	-	647	41	96	28	124
1901	425	159	584	-	584	43	145	55	200
1902	434	187	621	-	621	50	86	36	122
1903	434	194	628	-	628	55	96	39	135
1904	431	184	615	-	615	46	121	31	152
1905	586	216	695	107	802	44	87	25	112
1906	648	212	775	85	860	50	122	44	166
1907	749	231	862	118	980	63	122	24	146

## UNIVERSITY EDUCATION (a), VICTORIA - continued

Year	Enrolments (b)					Number of academic staff (d)	Course completions (e)		
	Males	Female	Full- time	Part- time (c)	Total		Bachelor	Higher	Total
1908	778	265	934	109	1,043	61	139	28	167
1909	845	276	1,014	107	1,121	69	165	34	199
1910	903	334	1,151	86	1,237	69	168	33	201
1911	944	276	1,139	81	1,220	68	197	46	243
1912	1,009	310	1,243	76	1,319	69	141	43	184
1913	1,015	315	1,261	69	1,330	72	216	44	260
1914	1,089	300	1,286	103	1,389	75	276	29	305
1915	955	396	1,269	82	1,351	77	315	32	347
1916	852	445	1,235	62	1,297	87	270	32	302
1917	842	490	1,139	193	1,332	68	204	37	241
1918	910	538	1,278	170	1,448	95	261	34	295
1919	1,415	572	1,859	128	1,987	101	165	39	204
1920	1,910	620	2,337	193	2,530	99	312	75	387
1921	2,003	651	2,423	231	2,654	99	313	68	381
1922	1,975	672	2,404	243	2,647	102	440	74	514
1923	1,848	636	2,187	297	2,484	167	502	71	573
1924	1,764	659	2,177	246	2,423	158	539	80	619
1925	1,952	660	2,071	541	2,612	169	565	79	64
1926	2,153	701	2,182	672	2,854	162	463	88	551
1927	2,209	776	2,150	835	2,985	167	348	78	426
1928	2,164	827	2,245	746	2,991	174	417	62	479
1929	2,238	881	2,134	985	3,119	177	376	51	427
1930	2,345	911	2,205	1,051	3,256	195	392	64	456
1931	2,419	900	2,278	1,041	3,319	222	308	65	373
1932	2,455	969	2,323	1,101	3,424	167	358	73	431
1933	2,418	915	2,234	1,099	3,333	177	341	69	410
1934	2,457	887	2,327	1,017	3,344	238	342	62	404
1935	2,582	915	2,427	1,070	3,497	230	329	91	420
1936	2,770	982	2,501	1,251	3,752	257	344	81	425
1937	2,839	1,022	2,514	1,347	3,861	262	367	74	441
1938	3,117	1,164	2,773	1,508	4,281	295	377	89	466
1939	3,246	1,262	2,901	1,607	4,508	318	435	78	513
1940	3,373	1,246	2,715	1,904	4,619	272	417	65	482
1941	3,288	1,335	2,987	1,636	4,623	317	448	49	497
1942	2,119	1,081	1,834	1,366	3,200	355	450	38	488
1943	2,222	1,315	1,816	1,721	3,537	359	343	54	397
1944	2,463	1,520	2,122	1,861	3,983	373	408	56	464
1945	2,921	1,735	2,419	2,237	4,656	353	441	53	494
1946	5,343	1,940	4,348	2,935	7,283	447	498	61	559
1947	7,383	1,735	5,662	3,456	9,118	559	699	76	775
1948	7,498	2,038	5,677	3,859	9,536	628	824	80	904
1949	7,258	1,970	5,212	4,016	9,228	621	1,191	115	1,306
1950	7,032	1,971	5,212	3,791	9,003	580	1,238	103	1,341
1951	6,340	1,894	4,973	3,261	8,234	562	1,138	96	1,234
1952	5,784	1,536	4,217	3,103	7,320	581	1,044	105	1,149
1953	5,408	1,620	4,128	2,900	7,028	593	958	105	1,063
1954	5,319	1,569	4,258	2,630	6,888	585	951	84	1,035
1955	5,420	1,660	4,260	2,820	7,080	581	967	88	1,055
1956	5,738	1,850	4,574	3,014	7,588	578	1,006	95	1,101
1957	6,038	1,875	4,934	2,982	7,916	593	936	79	1,015
1958	6,833	2,187	5,553	3,467	9,020	653	983	88	1,071
1959	7,618	2,661	6,310	3,969	10,279	850	1,013	97	1,110
1960	8,237	2,920	6,894	4,263	11,157	872	1,181	103	1,284



## UNIVERSITY EDUCATION (a), VICTORIA - continued

Year	Enrolments (b)					Number of academic staff (d)			Course completions (e)		
						Full-time teaching and research	Part-time	Research only			
	Males	Female	Full-time	Part-time (c)	Total				Teaching	Bachelor	Higher
1961	8,707	3,107	7,554	4,260	11,814	831	665	9	1,296	85	1,381
1962	9,378	3,475	8,193	4,660	12,853	1,018	727	10	1,455	116	1,571
1963	10,645	4,076	9,674	5,047	14,721	1,120	881	16	1,621	155	1,776
1964	11,986	4,829	11,416	5,399	16,815	1,308	1,107	16	1,683	137	1,820
1965	12,646	5,258	12,702	5,202	17,904	1,453	1,281	20	1,715	179	1,894
1966	13,841	5,996	14,236	5,601	19,837	1,646	1,447	38	2,151	207	2,358
1967	15,140	6,680	15,956	5,864	21,820	1,833	1,307	30	2,516	215	2,731
1968	16,334	7,287	17,533	6,088	23,621	2,007	1,320	25	2,880	274	3,154
1969	17,960	8,132	18,894	7,198	26,092	2,157	1,538	30	3,455	327	3,782
1970	18,734	8,895	20,098	7,531	27,629	2,258	1,596	30	3,701	407	4,108
1971	19,363	9,633	21,149	7,847	28,996	2,348	1,856	32	4,201	433	4,634
1972	20,359	10,592	22,559	8,392	30,951	2,476	1,986	43	4,366	477	4,843
1973	20,975	11,338	23,154	9,159	32,313	2,355	385	7	4,667	543	5,210
1974	22,010	12,847	24,993	9,864	34,857	2,564	374	6	5,456	515	5,971
1975	22,792	13,882	26,104	10,570	36,674	2,655	304	7	5,660	614	6,274
1976	23,464	14,923	26,992	11,395	38,387	2,692	348	6	5,785	689	6,474
1977	24,484	16,193	28,064	12,613	40,677	2,900	349	14	6,299	668	6,967
1978	24,522	17,436	27,512	14,446	41,958	2,984	350	28	6,675	685	7,360
1979	24,646	18,319	27,229	15,736	42,965	3,034	340	18	6,962	784	7,746
1980	24,659	19,220	27,815	16,064	43,879	3,070	346	28	7,022	645	7,667
1981	24,370	19,849	27,946	16,273	44,219	3,131	385	34	6,932	780	7,712
1982	23,850	20,300	28,110	16,040	44,150	3,160	335	20	7,080	840	7,920
1983	23,406	20,897	28,115	16,188	44,303	3,170	332	23	7,455	917	9,342
1984	23,383	21,570	28,434	16,519	44,953	3,268	343	29	7,584	956	9,575
1985	23,163	22,531	28,502	17,192	45,694	3,312	339	24	7,474	1,006	9,486
1986	23,284	23,644	29,268	17,695	46,963	3,379	336	27	7,500	947	9,510
1987	22,990	23,776	30,339	16,427	46,766	3,398	341	35	8,265	832	10,167
1988	24,286	27,552	34,418	17,420	51,838	3,540	211	946	8,158	832	10,167

(a) There are four universities in Victoria: the University of Melbourne opened 1855, Monash University opened 1961, La Trobe University opened 1967, and Deakin University opened 1977.

(b) 1855 to 1956 gross enrolments in courses.

1957 to 1971 net enrolments (students in two courses counted once).

(c) Includes external students.

(d) From 1961 all part-time staff are expressed in full-time equivalent (FTE).

(e) Course completions data to 1986 refers to year ended 30 June. 1987 data refer to year ended 31 December.

## NON-UNIVERSITY TERTIARY EDUCATION (a) VICTORIA

Year	Number of institutions	Student enrolments	Year	Number of institutions	Student enrolments
1969	15	23,916	1979	23	54,218
1970	16	24,180	1980	22	54,762
1971	16	26,451	1981	22	56,566
1972	16	24,072	1982	19	57,982
1973	15	25,818	1983	18	59,206
1974	31	41,539	1984	18	60,070
1975	31	46,982	1985	18	61,800
1976	30	50,085	1986	18	65,318
1977	23	49,705	1987	19	66,548
1978	23	52,232	1988	19	69,158

(a) From 1988 Institutes of tertiary education are included.

## PUBLIC EXAMINATIONS, VICTORIA

Matriculation (a)				Matriculation (a)			
Year	Attempted to pass fully	Passed fully	Percentage who passed	Year	Attempted to pass fully	Passed fully	Percentage who passed
1855	16	16	100.0	1881	911	409	44.9
1856	7	7	100.0	1882	940	389	41.4
1857		7		1883	1,004	342	34.1
1858		7		1884	953	438	46.0
1859		10		1885	954	339	35.5
1860	29	14	48.3	1886	857	372	43.4
1861	29	20	69.0	1887	971	385	39.6
1862	27	16	59.3	1888	995	442	44.4
1863	48	29	60.4	1889	992	464	46.8
1864	51	23	45.1	1890	1,271	631	49.6
1865	73	42	57.5	1891	1,293	543	42.0
1866	83	35	42.2	1892	1,434	567	39.5
1867	102	43	42.2	1893	1,290	535	41.5
1868	137	55	40.1	1894	1,255	496	39.5
1869	202	83	41.1	1895	1,171	466	39.8
1870	245	87	35.5	1896	1,195	517	43.3
1871	276	122	44.2	1897	1,122	484	43.1
1872	383	203	53.0	1898	1,140	482	42.3
1873	425	196	46.1	1899	1,235	559	45.3
1874	519	204	39.3	1900	1,159	443	38.2
1875	485	181	37.3	1901	1,136	511	45.0
1876	482	208	43.2	1902	1,047	490	46.8
1877	544	208	38.2	1903	1,199	478	39.9
1878	588	262	44.6	1904	1,162	490	42.2
1879	628	311	49.5	1905	1,238	493	39.8
1880	776	334	43.0	1906	484	224	46.3

Junior Commercial			Junior Public (a) (c)			Senior Public (a)			
Year	Attempted to pass fully	Passed fully	Percentage who passed	Attempted to pass fully	Passed fully	Percentage who passed	Attempted to pass fully	Passed fully	Percentage who passed
1906	(b)	(b)	(b)	914	356	38.9	66	33	50.0
1907	79	26	32.9	1,028	400	38.9	148	86	58.1
1908	88	22	25.0	1,365	539	39.5	175	102	58.3
1909	49	18	36.7	1,517	605	39.9	230	125	54.3
1910	47	12	25.5	1,483	593	40.0	232	117	50.4
1911	49	15	30.6	2,003	888	44.3	391	201	51.4
1912	51	21	41.2	2,174	1,045	48.1	462	249	53.9
1913	48	23	47.9	2,407	1,181	49.1	513	255	49.7
1914	71	28	39.4	2,497	1,166	46.7	731	288	39.4
1915	73	25	34.2	2,853	1,201	42.1	857	429	50.1
1916	74	22	29.7	3,249	1,369	42.1	900	411	45.7
1917	21	14	66.7	933	554	59.4	376	211	56.1

Intermediate (c)			Leaving (d)			Matriculation (a)			
Year	Attempted to pass fully	Passed fully	Percentage who passed	Attempted to pass fully	Passed fully	Percentage who passed	Attempted to pass fully	Passed fully	Percentage who passed
1917	2,352	986	41.9	736	353	48.0			
1918	3,532	1,551	43.9	1,328	597	45.0			
1919	4,006	1,937	48.4	1,652	796	48.2			
1920	4,176	1,667	39.9	2,047	955	46.7			
1921	3,831	1,346	35.1	2,238	827	37.0			
1922	4,431	1,725	38.9	2,587	1,004	38.8			
1923	4,275	1,974	46.2	2,422	1,016	41.9			
1924	4,148	1,858	44.8	2,418	1,053	43.5			



PUBLIC EXAMINATIONS, VICTORIA - *continued*

Year	Intermediate (c)			Leaving (d)			Matriculation (a)		
	Attempted to pass fully	Passed fully	Percentage who passed	Attempted to pass fully	Passed fully	Percentage who passed	Attempted to pass fully	Passed fully	Percentage who passed
1925	4,165	1,919	46.1	2,335	1,098	47.0			
1926	4,421	1,909	43.2	2,434	1,226	50.4			
1927	4,998	2,284	45.7	2,568	1,360	53.0			
1928	5,371	2,457	45.7	2,640	1,317	49.9			
1929	7,282	3,071	42.2	3,467	1,538	44.4			
1930	6,255	3,337	53.3	3,322	1,657	49.9			
1931	7,805	3,412	43.7	4,699	1,877	39.9			
1932	6,103	3,302	54.1	3,492	1,779	50.9			
1933	5,392	2,900	53.8	2,969	1,609	54.2			
1934	6,144	2,781	45.3	3,260	1,396	42.8			
1935	5,095	2,886	56.6	2,595	1,288	49.6			
1936	5,658	3,284	58.0	2,726	1,607	59.0			
1937	6,133	3,749	61.1	2,949	1,806	61.2			
1938	6,582	3,907	59.4	3,263	1,882	57.7			
1939	7,135	4,502	63.1	3,589	2,109	58.8			
1940	7,464	4,489	60.1	4,841	2,227	46.0			
1941	7,378	4,488	60.8	4,959	2,247	45.3			
1942	6,965	4,395	63.1	4,799	2,243	46.7			
1943	7,703	4,616	59.9	5,718	2,492	43.6			
1944	8,245	4,663	56.6	4,970	2,768	55.7	969	619	63.9
1945	9,013	5,165	57.3	5,378	3,375	62.8	1,560	842	54.0
1946	8,538	4,891	57.3	5,331	3,414	64.0	1,992	1,189	59.7
1947	8,636	5,452	63.1	4,964	3,162	63.7	2,130	1,254	58.9
1948	8,320	5,166	62.1	5,015	3,237	64.5	2,043	1,249	61.1
1949	8,375	5,354	63.9	4,763	3,205	67.3	2,041	1,181	57.9
1950	8,608	5,572	64.7	4,999	3,353	67.1	2,278	1,346	59.1
1951	8,573	5,662	66.0	5,211	3,543	68.0	2,449	1,422	58.1
1952	9,240	6,089	65.9	5,387	3,666	68.1	2,639	1,650	62.5
1953	10,895	7,288	66.9	5,983	4,030	67.4	2,556	1,659	64.9
1954	10,720	7,310	68.2	6,882	4,552	66.1	2,700	1,700	63.0
1955	11,742	7,915	67.4	7,079	4,858	68.6	3,045	2,069	67.9
1956	13,162	8,738	66.4	7,564	5,275	69.7	3,328	2,180	65.5
1957	14,812	9,404	63.5	8,615	5,442	63.2	3,760	2,442	64.9
1958	17,228	11,293	65.6	10,393	6,288	60.5	4,257	2,808	66.0
1959	19,323	12,501	64.7	12,192	7,324	60.1	4,723	3,127	66.2
1960	21,230	14,023	66.1	13,733	8,528	62.1	5,466	3,537	64.7
1961	23,621	15,589	66.0	15,636	9,493	60.7	6,651	4,280	64.4
1962	25,718	18,821	73.2	17,704	11,176	63.1	7,951	5,090	64.0
1963				20,852	13,176	63.2	9,072	5,948	65.6
1964							10,801	7,054	65.3
1965							11,474	7,435	64.8
1966							12,296	8,096	65.8
1967							12,898	8,628	66.9
1968							14,617	9,701	66.4
1969							16,932	10,987	64.9
1970							18,756	12,467	66.5
1971							19,351	13,274	68.6
1972							20,044	13,935	69.5
1973							21,521	14,681	68.2
1974							21,686	14,835	68.4
1975							22,966	15,787	68.7
1976							23,676	16,069	67.9
1977							22,533	15,619	69.3



PUBLIC EXAMINATIONS, VICTORIA - *continued*

Year	Intermediate (c)			Leaving (d)			Matriculation (a)		
	Attempted to pass fully	Passed fully	Percentage who passed	Attempted to pass fully	Passed fully	Percentage who passed	Attempted to pass fully	Passed fully	Percentage who passed
1978							22,569	15,315	67.9
1979							21,738	15,034	69.2
1980							21,367	14,609	68.4
1981							23,397	16,162	69.1
1982							23,425	16,367	69.9
1983							23,666	17,287	73.0
1984							26,253	20,660	78.7
1985							27,955	22,080	79.0
1986							30,500	24,294	79.7
1987							33,604	26,970	78.5
1988							37,898	30,272	79.9

(a) Matriculation was first held in 1855 primarily as a qualification for university entrance.

1906: title changed to senior and junior public examinations.

1917: title changed to School Leaving Certificate.

1944: title changed to Matriculation

1970: title changed to Higher School Certificate (HSC).

1987: title changed to Victorian Certificate of Education (VCE) - a combination of school based and external assessment.

(b) Included in Junior Public figures.

(c) 1963 to 1967 Intermediate was a subject examination (one in which the candidate is presented with a certificate listing the subjects he or she passed, i.e. the candidate does not pass or fail the examination as a whole). The only available figures show the total number of entries (persons) regardless of the number of subjects each is sitting for and have been excluded. Includes candidates with Headmaster's Certificates which were accepted as satisfying the requirements of the examination. 1967 was the last year in which the examination was held.

(d) Since 1964 known as a subject examination.

In 1971 the Leaving Certificate commenced to be phased out. A large number of schools conducted their own 5th year secondary examinations.

## HEALTH

## PUBLIC HOSPITALS (a), VICTORIA

Year	Number of hospitals (a)	Number of beds	Patients treated		Year	Number of hospitals (a)	Number of beds	Patients treated	
			Inpatients	Outpatients				Inpatients	Outpatients
1856	9				1905-06	52	3,512	28,522	80,692
1857	8				1906-07	52	3,694	29,573	85,420
1858	12		4,054	7,435	1907-08	52	3,703	31,332	88,026
1859	17		5,579	11,704	1908-09	53	3,724	31,680	90,539
1860	18	947	7,119	13,749	1909-10	54	3,792	35,014	86,696
1861	19	926	7,610	17,596	1910-11	55	3,897	36,292	76,328
1862	19	1,037	7,222	22,878	1911-12	56	3,897	39,005	81,297
1863	22	1,123	7,529	29,035	1912-13	56	3,923	38,433	80,889
1864	24	1,347	8,892	33,208	1913-14	57	4,095	40,197	80,462
1865	25	1,411	9,939	37,340	1914-15	57	4,040	40,618	84,874
1866	25	1,414	10,183	49,291	1915-16	57	4,191	44,285	87,941
1867	27	1,665	10,517	39,011	1916-17	58	4,607	41,685	89,639
1868	27	1,599	10,822	44,029	1917-18	59	4,735	43,512	88,511
1869	27	1,616	11,515	44,350	1918-19	59	4,800	49,715	85,908
1870	27	1,588	11,915	65,077	1919-20	59	4,768	50,004	90,298
1871	31	1,820	13,087	49,983	1920-21	60	4,845	50,517	93,661
1872	32	1,842	13,316	47,112	1921-22	60	4,850	49,167	109,703
1873	33	2,001	14,654	50,429	1922-23	60	4,965	50,061	106,217
1874	35	2,074	15,268	76,944	1923-24	60	5,097	52,000	112,365
1875	35	2,094	15,515		1924-25	60	5,083	54,477	166,123
1876	35	2,186	15,827		1925-26	60	5,188	56,742	128,895
1877	35	2,196	16,178		1926-27	63	5,473	63,782	142,301
1878	36	2,269	16,713		1927-28	63	5,574	69,017	147,003
1879	37	2,341	16,649		1928-29	63	4,638	70,529	156,986
1880	37	2,339	16,801		1929-30	64	4,622	71,842	174,257
1881	37	2,350	16,828		1930-31	65	4,597	73,028	171,465
1881-82	38	2,229	9,391		1931-32	67	4,684	81,303	216,666
1882-83	39	2,292	16,324		1932-33	68	4,832	81,790	244,653
1883-84	41	2,372	16,390		1933-34	66	6,037	84,770	238,233
1884-85	41	2,401	16,543		1934-35	66	6,828	85,613	235,140
1885-86	41	2,483	17,993		1935-36	66	6,882	91,919	245,305
1886-87	41	2,514	17,978		1936-37	67	7,270	92,472	255,482
1887-88	41	2,563	18,567	54,892	1937-38	67	7,490	89,899	241,067
1888-89	42	2,613	20,434	40,728	1938-39	67	7,642	96,173	261,209
1889-90	42	2,604	20,855	38,498	1939-40	68	7,696	102,369	265,215
1890-91	42	2,672	19,800	41,166	1940-41	67	7,827	109,716	281,278
1891-92	46	2,726	21,056	42,577	1941-42	70	7,264	93,658	263,223
1892-93	46	2,762	21,090	37,315	1942-43	70	7,379	93,157	252,323
1893-94	46	2,800	19,838	41,105	1943-44	72	8,908	131,207	260,063
1894-95	48	2,833	18,825	48,822	1944-45	72	9,092	130,859	271,754
1895-96	48	2,900	19,969	50,817	1945-46	75	9,204	129,109	281,146
1896-97	48	2,934	20,330	55,318	1946-47	86	9,435	147,031	327,910
1897-98	48	2,976	22,997	58,172	1947-48	86	9,505	148,140	342,136
1898-99	49	3,034	22,590	58,730	1948-49	84	8,659	114,504	288,263
1899-1900	50	3,116	22,715	59,960	1949-50	91	8,930	154,231	404,743
1900-01	50	3,231	23,442	68,579	1950-51	93	9,112	165,481	415,495
1901-02	50	3,307	25,350	66,454	1951-52	96	9,237	172,353	422,851
1902-03	50	3,335	25,944	64,004	1952-53	103	9,732	183,639	431,981
1903-04	50	3,394	26,674	84,672	1953-54	109	10,152	193,082	447,838
1904-05	51	3,457	27,461	82,527	1954-55	114	11,121	257,657	596,832



## PUBLIC HOSPITALS (a), VICTORIA - continued

Year	Number of hospitals (a)	Number of beds	Patients treated		Year	Number of hospitals (a)	Number of beds	Patients treated	
			Inpatients	Outpatients				Inpatients	Outpatients
1955-56	121	11,350	220,890	512,468	1971-72	147	14,103	406,034	1,018,363
1956-57	126	11,695	233,787	523,803	1972-73	147	14,243	419,976	1,116,442
1957-58	129	11,871	244,402	539,903	1973-74	147	14,285	417,646	1,244,610
1958-59	133	12,002	258,480	564,747	1974-75	147	14,474	432,613	1,356,169
1959-60	136	12,298	260,026	563,693	1975-76	148	14,109	455,670	1,642,596
					1976-77	149	14,411	467,216	1,747,849
1960-61	138	12,579	270,840	581,023	1977-78	149	14,192	484,849	1,812,586
1961-62	140	12,658	283,399	617,906	1978-79	149	13,993	500,788	2,004,382
1962-63	142	12,862	290,143	658,006	1979-80	149	13,887	503,434	2,064,730
1963-64	144	12,939	304,254	716,860					
1964-65	146	12,998	310,802	767,532	1980-81	150	13,879	528,703	2,166,211
1965-66	147	13,083	319,817	809,192	1981-82	148	13,746	522,388	2,033,771
1966-67	147	13,147	328,789	805,454	1982-83	167	14,589	541,021	2,034,503
1967-68	147	13,301	339,999	826,446	1983-84	165	14,290	537,988	(b) 1,988,355
1968-69	148	13,379	354,060	868,093	1984-85	164	14,265	525,815	4,495,095
1969-70	147	13,664	365,257	910,233	1985-86	165	(c) 13,283	530,357	4,651,262
					1986-87	(d) 165	13,208	527,545	4,713,212
1970-71	148	13,865	381,786	949,271	1987-88	157	13,437	586,762	5,009,837

(a) This table provides data relating to general hospitals, special hospitals (those that have accommodation for specific cases only or for women and/or children exclusively and the Cancer Institute which was established in 1949), sanatoria, auxiliary hospitals, convalescent hospitals, and hospitals for the aged. The table excludes mental hospitals, psychiatric and informal hospitals, (except those hospitals recognised as acute care hospitals under the medicare agreement), intellectual deficiency training centres and schools, founding homes and hospitals, bush nursing centres, and convalescent homes. Also excluded are hospitals operated by the Department of Veteran's Affairs and other Commonwealth authorities.

(b) The number represents outpatient attendances and the outpatient attendance for 1983-84 is 4,719,606.

(c) From 1985-86 the number of beds represents the average number over the year which were staffed and available.

(d) Subsequently affected by amalgamations, closures and inclusion of psychiatric hospitals recognised as acute care hospitals under the medicare agreement.

NOTE: The following factors should be considered when interpreting data from 1948-49 onwards:

i) All years cover a full twelve month period, with the exception of 1948-49 (9 months) and 1954-55 (15 months).

ii) The source of data is the Health Department of Victoria or its predecessors.

iii) Figures for most years in the 1950s are slightly understated due to the failure of some hospitals to submit statistical returns.



## AGRICULTURE

Commencing with 1986-87, the scope of the Agricultural Census was changed to include only establishments with an Estimated Value of Agricultural Operations (EVAO) of \$20,000 or more. The scope of previous censuses was establishments undertaking agricultural activity having an EVAO of \$2,500 or more. To assist users in gauging the degree of change, data for 1985-86 have been tabulated on both bases.

**NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AND LAND  
UTILISATION, VICTORIA**

<i>Year ended 31 March</i>	<i>Number of estab- lish- ments with agricultural activity</i>	<i>Area utilised for -</i>				<i>Balance of estab- lishments</i>	<i>Total area occupied</i>
		<i>Crops (a)</i>	<i>Fallow</i>	<i>Sown pasture (b)</i>	<i>Native pasture</i>		
		hectares	hectares	hectares	hectares	hectares	hectares
1836-37		20					
1837-38		-					
1838-39		61					
1839-40		837					
1840-41		1,299					
1841-42		1,975					
1842-43		3,288					
1843-44		4,886					
1844-45		6,689					
1845-46		10,171					
1846-47		12,779					
1847-48		14,686					
1848-49		16,300					
1849-50		18,605					
1850-51		21,182					
1851-52		23,258					
1852-53		14,881					
1853-54		14,090					
1854-55		22,219					
1855-56	4,326	46,594		31			
1856-57	7,523	72,837		43			620,120
1857-58	10,259	96,206		178			855,156
1858-59	11,573	120,985	2,428	1,053			1,019,468
1859-60	13,175	145,172	4,543	2,373			1,220,374
1860-61	13,653	156,728	8,279	4,711			1,423,294
1861-62	14,960	166,086	6,813	5,121			1,655,483
1862-63	16,416	171,424	7,423	9,506			1,910,948
1863-64	17,679	183,364	8,991	13,143			2,247,841
1864-65	18,355	168,410	10,679	14,943			2,478,784
1865-66	20,063	181,378	13,372	19,813			2,745,886
1866-67	22,698	203,737	12,545	23,662			2,983,863
1867-68	25,828	215,959	13,538	25,493			3,281,382
1868-69	29,218	234,138	22,904	31,444			3,595,309
1869-70	30,214	275,554	19,980	39,358			3,581,263
1870-71	31,842	280,383	28,001	59,482			3,856,916
1871-72	33,720	289,081	32,207	57,992			4,087,603
1872-73	34,569	279,091	30,595	80,063			4,334,893
1873-74	36,602	285,855	27,110	77,556			4,651,277
1874-75	38,468	281,589	31,530	96,333			4,963,302
1875-76	40,852	298,059	39,308	118,645			5,295,006
1876-77	43,057	329,089	34,058	135,064			5,606,926

**NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AND LAND  
UTILISATION, VICTORIA - continued**

Year ended 31 March	Number of estab- lishments with agricultural activity	Area utilised for -				Balance of estab- lishments	Total area occupied
		Crops (a)	Fallow	Sown pasture (b)	Native pasture		
		hectares	hectares	hectares	hectares	hectares	hectares
1877-88	45,448	415,422	30,625	128,810			5,992,156
1878-79	47,050	458,192	39,525	153,535			6,435,075
1879-80	48,969	494,382	66,836	122,004			6,726,246
1880-81	49,637	626,781	78,566	103,193			7,341,459
1881-82	-	582,210	58,407	96,607			
1882-83	33,952	646,271	64,467	115,192			
1883-84	37,146	712,010	70,661	114,082			
1884-85	38,139	733,790	74,137	132,358			
1885-86	38,384	755,749	85,167	132,417			
1886-87	38,216	754,134	112,147	111,811			
1887-88	37,615	831,227	147,449	63,959			
1888-89	35,727	828,469	134,593	74,853			
1889-90	36,497	849,009	153,660	60,548			
1890-91	36,013	822,304	156,036	95,199			
1891-92	35,945	856,884	159,927	70,813			
1892-93	35,223	907,815	199,811	94,338			
1893-94	34,549	945,964	185,013	90,773			
1894-95	34,249	984,595	140,126	81,365			
1895-96	33,684	976,602	117,775	72,945			
1896-97	34,354	1,078,001	105,874	69,842			
1897-98	34,990	1,110,879	161,686	46,838			
1898-99	39,877	1,299,254	209,321	60,766			
1899-1900	40,160	1,278,529	206,084	61,492			
1900-01	39,381	1,260,246	243,973	84,133			
1901-02	43,625	1,200,170	275,906	65,945			
1902-03	43,768	1,313,841	199,229	228,905			
1903-04	49,002	1,371,509	255,972	389,577	10,559,454		12,576,513
1904-05	52,598	1,344,280	345,533	385,886	9,884,129	1,063,393	13,023,220
1905-06	54,275	1,303,074	424,886	421,009	10,519,086	1,301,110	13,969,164
1906-07	56,411	1,336,915	401,030	443,391	10,820,191	1,287,676	14,289,203
1907-08	57,798	1,308,157	361,911	443,322	11,540,741	1,446,077	15,100,207
1908-09	59,357	1,400,926	418,616	416,710	11,691,670	1,379,599	15,307,521
1909-10	61,811	1,480,558	475,810	400,101	11,776,714	1,279,516	15,412,699
1910-11	66,651	1,599,347	580,391	401,123	11,752,267	936,809	15,269,937
1911-12	66,849	1,473,155	594,730	421,591	11,382,315	1,531,728	15,403,517
1912-13	68,703	1,650,858	658,514	439,224	11,163,676	1,149,653	15,061,926
1913-14	70,535	1,777,106	703,576	442,956	11,287,214	1,097,472	15,308,323
1914-15	71,828	1,870,766	544,928	486,485	11,646,716	952,225	15,501,120
1915-16	73,004	2,311,269	549,702	478,742	11,136,503	998,949	15,475,165
1916-17	73,610	1,963,267	768,725	523,185	11,237,644	832,043	15,324,864
1917-18	74,024	1,663,351	676,930	513,267	11,385,676	901,114	15,140,338
1918-19	74,330	1,595,636	626,503	513,746	11,710,519	985,946	15,432,350
1919-20	75,340	1,619,074	549,376	429,875	12,313,951	887,043	15,799,319
1920-21	77,148	1,816,839	783,370	425,442	11,586,595	971,653	15,583,899
1921-22	79,655	1,833,354	830,806	417,678	11,351,057	928,266	15,361,161
1922-23	80,523	1,967,805	885,000	387,468	11,203,199	910,416	15,353,889
1923-24	80,386	1,894,798	928,470	414,638	11,068,154	940,643	15,246,702
1924-25	80,037	1,926,869	896,489	382,161	10,695,263	994,182	14,894,964
1925-26	78,167	1,794,172	994,369	377,682	10,495,396	1,124,812	14,786,430



**NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AND LAND  
UTILISATION, VICTORIA - *continued***

Year ended 31 March	Number of estab- lishments with agricultural activity	Area utilised for -				Balance of estab- lishments	Total area occupied
		Crops (a)	Fallow	Sown pasture (b)	Native pasture		
		hectares	hectares	hectares	hectares	hectares	hectares
1926-27	77,180	1,916,258	1,039,647	385,358	10,259,805	1,231,840	14,832,908
1927-28	75,774	2,000,063	1,089,433	406,917	10,348,263	1,464,442	15,309,117
1928-29	74,912	2,228,060	1,085,960	467,298	10,128,013	1,618,796	15,528,126
1929-30	74,161	2,257,848	1,004,699	461,810	10,217,035	1,573,590	15,514,981
1930-31	74,537	2,717,734	1,048,391	499,630	9,511,034	1,522,777	15,299,565
1931-32	74,996	2,188,181	868,383	571,759	10,030,369	1,426,401	15,085,093
1932-33	75,392	2,070,270	1,065,654	612,930	10,088,676	1,420,872	15,258,403
1933-34	75,386	2,131,446	1,029,134	655,943	10,236,633	1,639,765	15,692,921
1934-35	74,473	1,892,993	896,972	772,725	10,333,184	1,830,699	15,726,573
1935-36	73,772	1,796,304	954,564	911,572	10,316,400	1,856,097	15,834,937
1936-37	72,845	1,783,577	1,004,901	998,315	10,620,422	1,709,986	16,117,202
1937-38	72,792	1,886,789	1,054,027	1,139,503	10,356,031	1,908,165	16,344,516
1938-39	72,452	2,031,240	1,029,208	1,248,002	10,396,988	1,801,991	16,507,429
1939-40	72,557	2,024,386	962,103	1,400,291	10,199,641	1,865,371	16,451,791
1940-41	72,382	1,807,810	763,812	1,464,694	10,851,711	1,839,426	16,727,453
1941-42	72,027	1,914,858	850,391	1,541,835	10,468,426	1,934,785	16,710,294
1942-43	71,489	1,553,353	671,848	(c)	(c)	(c)	16,606,090
1943-44	70,961	1,407,858	695,802	1,553,556	11,125,268	1,920,964	16,703,448
1944-45	70,856	1,744,258	685,577	1,458,503	10,714,862	1,920,235	16,523,436
1945-46	70,652	2,155,812	968,831	1,596,182	9,842,257	1,854,058	16,399,141
1946-47	70,750	2,065,105	995,669	1,648,903	9,681,912	1,818,354	16,209,943
1947-48	70,910	2,032,798	1,022,765	2,100,045	9,154,514	1,612,087	15,922,210
1948-49	71,049	1,879,702	948,456	2,353,634	9,025,410	1,521,848	15,729,051
1949-50	70,486	1,813,075	983,342	3,164,716	6,884,458	2,671,009	15,516,599
1950-51	69,698	1,760,878	871,536	2,890,658	8,332,936	1,565,948	15,421,956
1951-52	69,298	1,728,216	820,284	2,750,554	8,538,666	1,514,269	15,351,990
1952-53	69,353	1,734,391	928,710	2,855,340	7,944,191	1,862,129	15,324,762
1953-54	69,392	1,812,818	925,553	3,019,535	7,484,270	1,952,060	15,194,237
1954-55	69,551	1,778,373	888,768	3,300,277	7,340,946	1,994,268	15,302,631
1955-56	69,528	1,838,123	802,388	3,499,480	7,230,810	1,948,844	15,319,644
1956-57	69,509	1,471,985	760,734	3,768,431	7,293,996	1,944,823	15,239,970
1957-58	69,590	1,639,484	665,613	3,952,292	7,136,829	1,911,693	15,305,910
1958-59	69,770	1,938,846	885,134	3,804,527	6,646,280	2,004,307	15,279,093
1959-60	69,778	1,814,109	882,323	3,939,242	6,639,784	1,995,988	15,271,445
1960-61	69,623	1,823,002	897,508	4,065,886	6,435,670	2,129,421	15,351,488
1961-62	69,866	1,834,315	925,424	4,862,444	5,877,388	1,778,953	15,278,524
1962-63	69,700	2,038,276	1,020,357	5,110,882	5,647,412	1,443,313	15,260,240
1963-64	69,775	1,982,782	1,021,777	5,691,306	5,280,126	1,320,149	15,296,139
1964-65	69,737	2,031,313	1,005,411	6,001,327	5,045,500	1,231,522	15,315,073
1965-66	69,199	2,011,061	1,060,409	6,163,580	4,742,623	1,337,103	15,314,776
1966-67	68,466	2,081,500	1,113,493	6,522,066	4,697,625	1,227,620	15,642,305
1967-68	72,802	2,105,472	1,071,002	6,945,583	4,759,378	1,129,461	16,010,896
1968-69	71,056	2,491,442	1,103,673	7,285,443	4,018,681	956,980	15,856,219
1969-70	69,498	2,175,096	706,230	8,159,815	3,785,727	979,135	15,806,004
1970-71	68,555	1,698,536	930,910	8,679,487	3,590,595	860,777	15,760,305
1971-72	67,714	1,937,207	904,527	8,445,265	(d)	4,596,653	15,883,652
1972-73	66,890	1,925,984	803,518	6,456,131	(d)	6,585,790	15,771,423
1973-74	65,327	1,980,007	(c)	7,116,201	2,367,415	4,020,961	15,484,584
1974-75	62,926	1,775,306	(c)	6,978,276	2,639,361	3,833,233	15,226,176



**NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AND LAND  
UTILISATION, VICTORIA - continued**

Year ended 31 March	Number of estab- lish- ments with agricultural activity	Area utilised for -				Balance of estab- lishments hectares	Total area occupied hectares
		Crops (a)	Fallow	Sown pasture (b)	Native pasture		
		hectares	hectares	hectares	hectares		
1975-76	58,468	1,850,509	(c)	6,695,640	2,638,675	3,959,580	15,144,404
1976-77	48,994	1,948,004	(c)	6,548,831	2,620,846	3,381,084	14,498,765
1977-78	48,310	2,173,876	(c)	6,500,493	2,508,402	3,471,222	14,653,993
1978-79	48,855	2,214,935	(c)	6,616,540	2,353,142	3,255,912	14,440,529
1979-80	49,616	2,246,656	(c)	6,224,275	2,880,678	3,383,531	14,735,140
1980-81	49,399	2,183,811	(c)	6,194,508	2,615,994	3,671,517	14,665,830
1981-82	48,608	2,184,048	(c)	6,007,165	2,651,256	3,604,907	14,447,376
1982-83	47,862	2,233,735	(c)	5,598,282	3,109,132	3,247,932	14,189,081
1983-84	46,508	2,654,844	(c)	5,513,233	2,846,580	3,240,301	14,254,958
1984-85	45,884	2,568,594	(c)	5,657,241	2,630,763	3,337,879	14,194,477
1985-86	44,936	2,527,743	(c)	5,754,325	2,150,437	3,751,352	14,183,857
1987-88	32,688	2,159,000		5,970,000	2,024,000	2,933,000	13,086,000
1985-86	32,981	2,476,590	(c)	5,355,608	1,913,289	3,406,499	13,151,986
1986-87	34,583	2,316,605	(c)	5,820,200	2,262,104	2,728,250	13,127,159
1987-88	32,688	2,159,000		5,970,000	2,024,000	2,933,000	13,086,000

(a) Commencing with season 1960-61 the area of pasture cut for hay or seed has been excluded from the area of crops.

(b) Includes oats, barley, and lucerne sown for grazing.

(c) Information not collected.

(d) Native pasture included in balance of establishment.

**LIVESTOCK AND PASTORAL PRODUCTION, VICTORIA**

Year	Livestock				Greasy wool pro- duction (a)	Milk pro- duction for all purposes	Butter production (factory and farm)	Cheese production (factory and farm)
	Horses	Cattle	Sheep	Pigs				
					'000 tonnes	'000 kilolitres	'000 tonnes	'000 tonnes
1836-37	75	155	41,332					
1837-38								
1838-39	524	13,272	310,946					
1839-40								
1840-41	2,372	50,837	782,283					
1841-42								
1842-43	4,065	100,792	1,404,333					
1843-44	6,278	167,156	1,602,798					
1844-45	7,076	187,873	1,860,912					
1845-46	9,289	231,602	1,792,527	3,986				
1846-47	11,400	290,439	2,996,992	5,501				
1847-48	13,292	322,824	4,164,203	5,015				
1848-49	16,495	386,688	5,130,277	5,659				
1849-50	16,733	346,562	5,318,046					
1850-51	21,219	378,806	6,032,783	9,260				
1851-52	22,086	390,923	6,589,923	7,372				
1852-53	34,021	431,380	6,551,506	8,996				
1853-54	15,166	410,139	5,594,220					
1854-55	27,038	481,640	5,332,007	9,278				
1855-56	33,430	534,113	4,577,872	20,686				
1856-57	47,832	646,613	4,641,548	52,227				
1857-58	55,683	614,537	4,766,022	43,632				
1858-59	68,323	699,330	5,578,413	37,756				
1859-60	69,288	683,534	5,794,127	50,965				

LIVESTOCK AND PASTORAL PRODUCTION, VICTORIA - *continued*

Year	Livestock				Greasy wool pro- duction (a)	Milk pro- duction for all purposes '000 kilolitres	Butter production (factory and farm) '000 tonnes	Cheese production (factory and farm) '000 tonnes
	Horses	Cattle	Sheep	Pigs				
1860-61	76,536	722,332	5,780,896	61,259	11			
1861-62	84,057	628,092	6,239,258	43,480	11			
1862-63	86,067	576,601	6,764,851	52,991	11			
1863-64	103,328	675,272	7,115,943	79,655	12			
1864-65	117,182	640,625	8,406,234	113,530	18			
1865-66	121,051	621,337	8,835,380	75,869	20			
1866-67	121,381	598,968	8,833,139	74,708	18			
1867-68	131,148	650,592	9,532,811	141,522	22			
1868-69	143,934	693,682	9,756,819	136,206	28			
1869-70	161,830	692,518	9,923,663	111,464	24			
1870-71	167,220	721,096	10,761,887	130,946	23			
1871-72	181,643	799,509	10,002,381	177,447	31			
1872-73	185,796	812,289	10,575,219	193,722	24			
1873-74	180,342	883,763	11,323,080	160,336	20			
1874-75	180,254	958,658	11,221,036	137,941	39			
1875-76	196,184	1,054,598	11,749,532	140,765	30			
1876-77	194,768	1,128,265	11,278,893	175,578	41			
1877-78	203,150	1,169,576	10,117,867	183,391	37			
1878-79	210,105	1,184,843	9,379,276	177,373	35			
1879-80	216,710	1,129,358	8,651,775	144,733	32			
1880-81	275,516	1,286,267	10,360,285	241,936	34			
1881-82	278,195	1,286,677	10,267,265	239,926	28			
1882-83	280,874	1,287,088	10,174,246	237,917	35			
1883-84	286,779	1,297,546	10,739,021	233,525	39			
1884-85	293,846	1,287,945	10,637,412	234,347	35			
1885-86	304,098	1,290,790	10,681,837	239,837	31			
1886-87	308,553	1,303,265	10,700,403	240,957	32			
1887-88	315,000	1,333,873	10,623,985	243,461	28			
1888-89	323,115	1,370,660	10,818,575	245,818	29			
1889-90	329,335	1,394,209	10,882,231	249,673	30			
1890-91	436,469	1,782,881	12,692,843	282,457	29			
1891-92	440,696	1,812,104	12,928,148	286,780	39		8	2
1892-93	439,596	1,824,704	12,965,306	290,339	41	550	11	2
1893-94	436,903	1,817,291	13,098,725	328,162	33	569	13	2
1894-95	431,547	1,833,900	13,180,943	337,588	33	534	16	2
1895-96	(b)424,995	(b)1,795,314	(b)12,791,084	(b)339,718	40	584	18	2
1896-97	(b)418,444	(b)1,756,728	(b)12,401,225	(b)341,849	33	559	17	2
1897-98	(b)411,892	(b)1,718,142	(b)12,011,367	(b)343,979	36	535	16	2
1898-99	(b)405,340	(b)1,679,556	(b)11,621,508	(b)346,109	33	521	15	2
1899-1900	(b)398,789	(b)1,640,970	(b)11,231,649	(b)348,240	41	670	24	2
1900-01	392,237	1,602,384	10,841,790	350,370	41	721	25	2
1901-02	(b)387,277	(b)1,623,282	(b)10,673,265	(b)334,295	39	709	21	2
1902-03	(b)382,317	(b)1,644,180	(b)10,504,741	(b)318,220	36	636	18	2
1903-04	(b)377,357	(b)1,665,078	(b)10,336,216	(b)302,145	28	787	21	3
1904-05	372,397	1,685,976	10,167,691	286,070	39	797	28	2
1905-06	385,513	1,737,690	11,455,115	273,682	34	738	26	2
1906-07	406,840	1,804,323	12,937,440	220,452	36	669	31	2
1907-08	424,648	1,842,807	14,146,734	211,002	54	827	29	2
1908-09	424,903	1,574,162	12,545,742	179,358	43	673	22	2
1909-10	442,829	1,549,640	12,937,983	217,921	51	741	25	2



LIVESTOCK AND PASTORAL PRODUCTION, VICTORIA - *continued*

Year	Livestock				Greasy wool pro- duction (a)	Milk pro- duction for all purposes	Butter production (factory and farm)	Cheese production (factory and farm)
	Horses	Cattle	Sheep	Pigs	'000 tonnes	'000 kilolitres	'000 tonnes	'000 tonnes
1910-11	472,080	1,547,569	12,882,665	333,281	58	894	32	2
1911-12	507,813	1,647,127	13,857,804	348,069	61	1,083	39	2
1912-13	530,494	1,508,089	11,892,224	240,072	52	906	31	2
1913-14	562,331	1,528,553	12,113,682	221,277	60	986	33	2
1914-15	552,053	1,362,542	12,051,685	243,196	55	880	28	2
1915-16	493,779	1,043,604	10,545,632	192,002	49	646	19	2
1916-17	514,403	1,175,098	12,576,587	254,436	54	848	27	3
1917-18	514,061	1,371,049	14,760,013	323,159	59	908	29	2
1918-19	523,788	1,596,544	15,773,902	267,819	69	942	30	3
1919-20	513,500	1,631,120	14,422,745	186,810	72	895	27	4
1920-21	487,503	1,575,159	12,171,084	175,275	52	930	29	2
1921-22	496,124	1,750,369	12,325,818	230,770	58	1,115	38	3
1922-23	494,947	1,785,660	11,765,520	294,962	58	1,133	38	2
1923-24	486,075	1,591,367	11,059,761	259,795	49	1,186	39	3
1924-25	473,236	1,605,554	12,649,898	288,509	61	1,340	46	3
1925-26	463,051	1,513,787	13,740,500	339,601	63	1,160	37	2
1926-27	447,988	1,435,761	14,919,653	284,271	69	1,175	37	3
1927-28	428,666	1,327,077	15,557,067	212,785	67	1,185	38	3
1928-29	412,867	1,304,426	16,498,222	222,084	82	1,269	43	2
1929-30	393,015	1,335,242	17,427,203	265,978	73	1,246	41	3
1930-31	379,872	1,429,920	16,477,995	281,245	67	1,427	50	4
1931-32	375,459	1,637,530	16,376,217	286,780	72	1,650	60	4
1932-33	372,907	1,900,922	17,512,394	287,627	77	1,804	68	4
1933-34	361,005	2,002,235	17,195,969	240,530	73	1,677	61	4
1934-35	357,877	2,085,080	16,783,631	265,006	71	1,832	67	5
1935-36	356,106	2,091,246	17,457,291	314,301	74	1,817	67	5
1936-37	357,158	2,005,759	17,663,103	318,673	74	1,924	70	6
1937-38	359,106	1,880,429	18,863,467	285,259	81	1,856	64	7
1938-39	343,828	1,697,295	17,007,352	252,462	75	1,718	59	9
1939-40	326,217	1,787,597	18,251,870	297,655	81	2,077	75	11
1940-41	318,441	1,922,336	20,412,362	397,945	85	2,036	71	8
1941-42	302,401	1,986,544	20,598,201	285,227	97	1,949	64	10
1942-43	292,534	2,022,892	19,614,040	307,929	96	1,735	57	11
1943-44	277,662	2,013,033	19,220,457	337,878	89	1,639	51	12
1944-45	253,782	1,903,110	16,457,101	296,232	80	1,639	48	12
1945-46	232,473	1,827,087	14,655,277	271,887	69	1,708	52	15
1946-47	227,164	2,060,061	16,598,490	290,450	89	2,025	61	18
1947-48	221,454	2,174,203	17,931,173	271,492	91	1,948	58	16
1948-49	213,090	2,224,543	19,170,312	223,823	93	2,102	62	19
1949-50	200,143	2,230,948	19,161,043	212,901	102	2,133	66	22
1950-51	186,415	2,216,253	20,011,933	237,127	99	2,026	60	23
1951-52	169,246	2,214,530	21,537,229	213,670	102	2,031	61	23
1952-53	153,662	2,297,208	21,368,196	182,824	114	1,984	59	23
1953-54	140,818	2,370,184	21,438,007	232,384	101	2,156	65	26
1954-55	132,172	2,456,303	22,329,515	263,666	115	2,440	81	21
1955-56	118,705	2,616,587	23,343,212	227,223	124	2,625	93	24
1956-57	107,859	2,765,049	25,830,544	258,336	136	2,669	91	21
1957-58	98,067	2,749,611	27,090,469	278,628	135	2,571	88	15
1958-59	91,452	2,651,022	26,925,365	253,125	136	2,650	90	18
1959-60	81,225	2,624,019	26,596,613	284,505	147	2,720	91	20

LIVESTOCK AND PASTORAL PRODUCTION, VICTORIA - *continued*

Year	Livestock				Greasy wool pro- duction (a)	Milk pro- duction for all purposes	Butter production (factory and farm)	Cheese production (factory and farm)
	Horses	Cattle	Sheep	Pigs				
					'000 tonnes	'000 kilolitres	'000 tonnes	'000 tonnes
1960-61	64,462	2,863,799	26,619,849	318,523	146	2,713	91	20
1961-62	61,540	3,155,877	27,532,550	325,120	150	2,868	98	24
1962-63	58,172	3,225,196	27,471,730	297,791	144	3,035	103	26
1963-64	55,593	3,300,724	28,412,835	322,051	152	3,159	105	26
1964-65	55,843	3,316,407	30,437,154	378,055	164	3,391	113	28
1965-66		3,396,984	30,968,459	383,509	166	3,414	114	26
1966-67	54,687	3,528,159	31,239,391	350,591	172	3,622	121	31
1967-68		3,474,216	27,908,754	376,990	151	3,338	109	33
1968-69		3,877,826	30,184,874	421,655	165	3,709	127	34
1969-70	53,082	4,462,391	33,156,930	495,128	196	4,057	142	34
1970-71		5,060,711	33,761,487	519,779	195	4,087	136	36
1971-72		5,456,589	29,495,847	589,992	201	3,973	131	39
1972-73		5,464,467	24,105,497	585,227	172	3,945	128	49
1973-74		5,839,690	25,787,551	424,248	155	3,917	128	48
1974-75		6,192,417	26,409,930	383,144	166	3,745	119	45
1975-76		5,868,435	25,395,140	392,834	138	3,518	108	52
1976-77	45,529	5,104,278	21,925,450	396,753	121	3,212	89	52
1977-78	51,561	4,572,412	22,021,356	401,197	130	2,898	90	64
1978-79	63,001	4,134,356	22,750,116	389,976	139	3,248	84	81
1979-80	66,241	4,252,272	24,400,065	421,735	147	3,155	69	95
1980-81	66,748	4,312,123	25,486,993	400,179	146	3,065	68	80
1981-82	63,689	4,121,248	25,340,923	406,253	148	3,028	66	94
1982-83	60,659	3,408,275	22,748,412	386,902	132	3,164	75	95
1983-84	56,480	3,487,000	24,632,399	404,085	142	3,425	94	91
1984-85	53,925	3,575,683	26,470,688	409,538	142	3,540	96	93
1985-86	50,765	3,719,705	26,892,261	431,680	141	3,575	91	97
1985-86	39,733	3,382,899	25,715,626	426,814	135	..	..	..
1986-87	38,926	3,478,030	26,585,784	431,832	125	3,692	90	102
1987-88	40,646	3,473,528	26,997,009	437,161	128	3,649	82	103
1988-89	40,000	3,516,000	28,071,000	423,000	132	3,793	83	111

(a) Includes dead and fellmongered wool and wool exported on skins.

(b) Estimated. Figures derived by interpolation.

## WHEAT, OATS, AND BARLEY FOR GRAIN, VICTORIA

Year ended 31 March -	Wheat			Oats			Barley		
	Area	Production	Yield per hectare	Area	Production	Yield per hectare	Area	Production	Yield per hectare
	hectares	tonnes	tonnes	hectares	tonnes	tonnes	hectares	tonnes	tonnes
1836-37	20	-	-	-	-	-	-	-	-
1837-38	20	-	-	-	-	-	-	-	-
1838-39	34	-	-	9	-	-	-	-	-
1839-40	527	343	0.65	102	-	-	65	-	-
1840-41	785	1,372	1.75	332	489	1.47	121	204	1.69
1841-42	689	1,302	1.89	520	677	1.30	143	213	1.49
1842-43	984	1,507	1.53	975	1,199	1.23	308	454	1.47
1843-44	1,892	2,832	1.50	1,036	1,284	1.24	430	571	1.33
1844-45	2,800	3,768	1.35	1,248	787	0.63	662	909	1.37
1845-46	4,640	6,388	1.38	1,949	1,295	0.66	303	891	2.94
1846-47	6,395	3,415	1.47	2,468	3,372	1.37	685	1,083	1.58
1847-48	7,155	9,518	1.33	2,903	3,763	1.30	875	660	0.75
1848-49	7,846	11,164	1.42	3,354	1,431	0.43	1,044	826	0.79



WHEAT, OATS, AND BARLEY FOR GRAIN, VICTORIA - *continued*

Year ended 31 March -	Wheat			Oats			Barley		
	Area	Production	Yield per hectare	Area	Production	Yield per hectare	Area	Production	Yield per hectare
	hectares	tonnes	tonnes	hectares	tonnes	tonnes	hectares	tonnes	tonnes
1849-50	9,812	14,293	1.46	2,177	2,351	1.08	932	1,223	1.31
1850-51	11,538	15,136	1.31	2,027	1,806	0.89	851	910	1.07
1851-52	11,988	19,958	1.66	2,601	2,401	0.92	537	779	1.45
1852-53	6,808	13,573	1.99	1,193	1,760	1.48	166	214	1.29
1853-54	3,057	4,197	1.37	926	921	0.99	166	233	1.40
1854-55	5,191	6,806	1.31	2,161	2,372	1.10	280	325	1.16
1855-56	17,274	31,244	1.81	7,203	11,151	1.55	627	1,024	1.63
1856-57	32,438	50,587	1.56	10,127	11,642	1.15	904	1,577	1.74
1857-58	35,301	49,218	1.39	16,277	22,676	1.39	2,189	3,548	1.62
1858-59	31,660	42,541	1.34	31,374	39,197	1.25	2,154	2,622	1.22
1859-60	43,339	62,490	1.44	36,489	46,332	1.27	1,660	2,232	1.34
1860-61	65,256	94,163	1.44	34,939	47,785	1.37	1,669	1,902	1.14
1861-62	79,692	98,186	1.23	36,851	38,763	1.05	1,384	1,545	1.12
1862-63	65,563	81,878	1.25	43,785	45,437	1.04	2,764	3,244	1.17
1863-64	60,457	36,435	0.60	61,644	63,458	1.03	3,155	2,963	0.94
1864-65	50,602	51,693	1.02	58,397	48,887	0.84	3,095	2,832	0.92
1865-66	72,288	95,642	1.32	41,609	41,358	0.99	2,787	3,481	1.25
1866-67	84,413	126,313	1.50	52,319	70,405	1.35	4,012	6,786	1.69
1867-68	87,812	92,850	1.06	50,725	42,338	0.83	6,468	7,364	1.14
1868-69	105,139	115,101	1.09	46,513	40,978	0.88	7,779	6,638	0.85
1869-70	116,758	155,049	1.33	58,595	68,246	1.16	11,378	15,677	1.38
1870-71	114,998	78,120	0.68	60,423	40,588	0.67	7,950	5,462	0.69
1871-72	135,412	122,492	0.90	71,202	59,872	0.84	6,787	7,609	1.12
1872-73	132,156	146,722	1.11	50,790	44,529	0.88	8,600	10,052	1.17
1873-74	141,630	129,336	0.91	44,917	31,596	0.70	10,252	11,399	1.11
1874-75	134,735	132,000	0.98	46,507	38,494	0.83	11,940	14,059	1.18
1875-76	130,066	135,504	1.04	50,222	49,347	0.98	12,775	15,891	1.24
1876-77	162,448	143,691	0.88	46,623	41,626	0.89	10,131	12,028	1.19
1877-78	228,471	191,006	0.84	42,587	37,022	0.87	7,736	8,589	1.11
1878-79	279,890	164,946	0.59	54,401	42,928	0.79	9,256	9,461	1.02
1879-80	286,189	255,795	0.89	67,831	72,997	1.08	17,475	24,164	1.38
1880-81	395,494	264,736	0.67	54,264	42,863	0.79	27,774	24,241	0.87
1881-82	375,034	237,167	0.63	59,487	65,537	1.10	19,689	21,037	1.07
1882-83	392,287	238,176	0.61	68,753	80,667	1.17	17,693	17,202	0.97
1883-84	446,932	423,753	0.95	76,146	85,595	1.12	18,952	24,263	1.28
1884-85	443,679	283,944	0.64	75,964	79,700	1.05	25,201	24,549	0.97
1885-86	412,813	249,581	0.60	87,410	85,136	0.97	29,992	29,548	0.99
1886-87	426,007	329,309	0.77	75,176	77,221	1.03	14,986	18,775	1.25
1887-88	498,955	362,750	0.73	80,547	82,781	1.03	16,585	21,692	1.31
1888-89	492,580	235,352	0.48	79,933	50,871	0.64	33,784	25,660	0.76
1889-90	477,018	312,862	0.66	95,707	102,419	1.07	36,715	41,529	1.13
1890-91	463,431	347,034	0.75	89,455	89,255	1.00	35,512	35,643	1.00
1891-92	539,318	372,289	0.69	76,954	80,840	1.05	18,219	19,146	1.05
1892-93	543,293	403,189	0.74	71,890	83,004	1.15	15,189	17,559	1.16
1893-94	594,629	415,179	0.70	88,587	89,836	1.01	18,872	23,448	1.18
1894-95	555,904	311,506	0.56	107,826	102,209	0.95	39,400	36,207	0.92
1895-96	571,714	154,290	0.27	103,398	52,255	0.51	31,743	16,229	0.51
1896-97	639,652	192,986	0.30	169,750	123,685	0.73	25,241	18,498	0.73
1897-98	670,747	287,946	0.43	119,052	87,262	0.73	15,056	17,201	1.14
1898-99	871,760	532,916	0.61	107,711	100,215	0.93	19,368	25,233	1.30
1899-1900	876,426	414,709	0.47	109,783	110,968	1.01	32,202	33,250	1.03



WHEAT, OATS, AND BARLEY FOR GRAIN, VICTORIA - *continued*

Year ended 31 March -	Wheat			Oats			Barley		
	Area		Yield per hectare	Area		Yield per hectare	Area		Yield per hectare
	hectares	tonnes		hectares	tonnes		hectares	tonnes	
1900-01	816,382	485,725	0.59	146,775	173,859	1.18	23,817	27,567	1.16
1901-02	709,988	330,053	0.46	133,202	122,014	0.92	13,121	15,736	1.20
1902-03	807,054	69,927	0.09	175,427	79,886	0.46	15,263	12,727	0.83
1903-04	796,664	776,339	0.97	175,487	243,760	1.39	19,328	28,643	1.48
1904-05	921,687	574,034	0.62	139,220	112,553	0.81	18,652	19,824	1.06
1905-06	837,909	637,325	0.76	126,283	131,223	1.04	16,567	24,089	1.45
1906-07	822,279	615,562	0.75	153,980	160,493	1.04	21,374	28,473	1.33
1907-08	747,504	329,329	0.44	161,368	94,373	0.58	25,525	24,024	0.94
1908-09	720,303	635,365	0.88	169,915	201,847	1.19	26,162	34,273	1.31
1909-10	848,692	783,266	0.92	155,491	143,579	0.92	23,716	23,210	0.98
1910-11	970,473	947,455	0.98	158,913	175,978	1.11	21,322	30,399	1.43
1911-12	875,767	568,584	0.65	122,311	83,195	0.68	21,667	23,237	1.07
1912-13	843,858	713,676	0.85	177,755	151,021	0.85	28,988	39,565	1.36
1913-14	1,038,368	896,378	0.86	178,895	161,303	0.90	33,731	41,116	1.22
1914-15	1,158,833	107,255	0.09	175,964	29,183	0.17	25,290	13,621	0.54
1915-16	1,489,233	1,592,700	1.07	143,231	169,260	1.18	24,848	39,338	1.58
1916-17	1,264,924	1,392,414	1.10	178,709	150,398	0.84	37,642	40,818	1.08
1917-18	1,088,693	1,027,048	0.94	118,660	111,426	0.94	34,370	44,696	1.30
1918-19	896,173	686,917	0.77	138,753	95,708	0.69	40,549	46,009	1.13
1919-20	776,297	404,379	0.52	226,441	119,804	0.53	34,529	34,669	1.00
1920-21	929,104	1,074,160	1.16	179,533	197,897	1.10	38,022	56,603	1.49
1921-22	1,056,715	1,193,881	1.13	128,966	110,355	0.86	40,520	52,985	1.31
1922-23	1,070,117	971,519	0.91	199,250	146,845	0.74	41,591	55,384	1.33
1923-24	993,147	1,028,631	1.04	210,701	169,937	0.81	22,891	33,009	1.44
1924-25	1,094,806	1,289,051	1.18	209,315	173,671	0.83	25,804	32,768	1.27
1925-26	1,017,176	796,205	0.78	177,129	90,685	0.51	41,843	40,255	0.96
1926-27	1,179,787	1,276,029	1.08	122,791	88,614	0.72	35,975	43,561	1.21
1927-28	1,240,028	711,981	0.57	214,238	84,962	0.40	31,067	35,201	1.13
1928-29	1,504,988	1,274,200	0.85	140,435	101,648	0.72	30,534	35,292	1.16
1929-30	1,443,165	691,618	0.48	255,047	91,781	0.36	39,529	49,517	1.25
1930-31	1,861,637	1,464,588	0.79	150,148	125,079	0.83	35,417	44,977	1.27
1931-32	1,443,058	1,141,852	0.79	177,910	117,032	0.66	26,863	28,501	1.06
1932-33	1,307,522	1,302,077	1.00	149,267	115,464	0.77	37,860	45,256	1.20
1933-34	1,235,478	1,159,739	0.94	212,855	122,992	0.58	43,034	42,841	1.00
1934-35	994,954	703,536	0.71	205,029	95,232	0.46	35,450	36,503	1.03
1935-36	940,390	1,022,000	1.09	204,619	115,486	0.56	47,094	52,490	1.11
1936-37	968,748	1,166,045	1.20	154,213	110,820	0.72	40,470	48,605	1.20
1937-38	1,087,010	1,311,060	1.21	159,623	96,655	0.61	56,566	61,428	1.09
1938-39	1,112,224	492,720	0.44	266,283	52,785	0.20	71,181	37,916	0.53
1939-40	1,144,216	1,226,185	1.07	177,882	150,241	0.84	82,653	84,779	1.03
1940-41	1,081,616	367,993	0.34	226,300	47,614	0.21	75,939	26,920	0.35
1941-42	1,115,752	1,277,875	1.15	170,754	147,858	0.87	82,669	108,682	1.31
1942-43	868,115	1,137,695	1.31	173,223	120,437	0.70	31,502	28,887	0.92
1943-44	725,775	537,053	0.74	172,520	67,222	0.39	33,694	24,452	0.73
1944-45	866,728	95,191	0.11	292,252	24,230	0.08	52,226	8,154	0.16
1945-46	1,315,792	806,499	0.61	206,990	134,296	0.65	54,281	39,548	0.73
1946-47	1,416,860	1,332,770	0.94	183,686	116,146	0.63	55,856	52,660	0.94
1947-48	1,305,987	1,278,107	0.98	263,094	279,067	1.06	66,445	81,120	1.22
1948-49	1,212,320	1,335,292	1.10	218,370	135,889	0.62	79,229	80,460	1.02
1949-50	1,144,562	1,563,093	1.37	195,540	158,182	0.81	95,556	110,590	1.16



WHEAT, OATS, AND BARLEY FOR GRAIN, VICTORIA - *continued*

Year ended 31 March -	Wheat			Oats			Barley		
	Area	Production	Yield per hectare	Area	Production	Yield per hectare	Area	Production	Yield per hectare
	hectares	tonnes	tonnes	hectares	tonnes	tonnes	hectares	tonnes	tonnes
1950-51	1,107,008	1,394,414	1.26	213,357	163,910	0.77	87,856	102,287	1.16
1951-52	996,974	1,251,772	1.26	273,771	202,325	0.74	75,362	82,091	1.09
1952-53	903,298	1,369,885	1.52	305,995	228,593	0.75	94,938	107,369	1.13
1953-54	966,918	1,461,410	1.51	235,962	178,746	0.76	151,577	179,897	1.19
1954-55	967,270	1,319,533	1.36	260,797	181,813	0.70	113,553	112,167	0.99
1955-56	866,599	1,118,098	1.29	352,509	269,581	0.76	125,093	155,964	1.25
1956-57	633,423	960,224	1.52	247,905	173,365	0.70	139,731	171,211	1.23
1957-58	742,535	874,551	1.18	251,814	172,867	0.69	142,346	123,536	0.87
1958-59	732,492	1,162,017	1.59	392,824	423,450	1.08	146,849	194,609	1.33
1959-60	914,886	1,055,762	1.15	272,354	230,443	0.85	112,341	126,843	1.13
1960-61	1,081,160	1,839,413	1.70	337,880	374,954	1.11	125,167	175,050	1.40
1961-62	1,152,862	1,547,976	1.34	313,390	295,953	0.94	91,253	105,561	1.16
1962-63	1,264,559	1,847,914	1.46	377,235	490,643	1.30	78,629	124,018	1.58
1963-64	1,258,187	2,076,607	1.65	368,290	360,784	0.98	76,946	21,297	1.19
1964-65	1,309,580	2,127,322	1.62	391,040	407,253	1.04	75,651	98,304	1.30
1965-66	1,244,046	1,649,027	1.33	390,806	322,660	0.83	77,812	72,975	0.94
1966-67	1,269,916	1,929,481	1.52	436,606	566,959	1.30	92,127	122,936	1.33
1967-68	1,304,659	770,668	0.59	292,559	124,454	0.43	123,434	61,433	0.50
1968-69	1,612,303	2,469,205	1.53	401,179	548,485	1.37	165,525	201,500	1.22
1969-70	1,334,757	2,273,692	1.70	357,601	470,412	1.32	196,930	257,927	1.31
1970-71	760,423	1,004,288	1.32	399,227	466,603	1.17	269,087	318,368	1.18
1971-72	1,040,169	1,797,280	1.73	329,477	449,423	1.36	295,812	390,858	1.32
1972-73	1,087,377	1,249,303	1.14	254,656	238,227	0.93	277,085	213,587	0.77
1973-74	1,257,938	1,405,367	1.11	271,155	232,740	0.85	221,804	285,358	1.28
1974-75	1,140,653	2,091,303	1.83	197,807	186,023	0.94	242,952	319,358	1.31
1975-76	1,073,130	1,578,505	1.47	281,730	337,165	1.19	344,306	444,600	1.29
1976-77	1,103,099	1,779,550	1.61	241,290	309,016	1.28	366,237	401,827	1.09
1977-78	1,270,263	1,496,693	1.17	228,378	268,546	1.17	418,407	358,632	0.85
1978-79	1,337,441	2,998,471	2.24	290,782	446,197	1.53	365,438	519,099	1.42
1979-80	1,456,901	3,249,550	2.23	255,737	390,300	1.52	325,356	494,106	1.51
1980-81	1,431,042	2,538,004	1.77	218,682	321,664	1.47	302,777	418,049	1.38
1981-82	1,321,674	2,466,794	1.87	245,148	305,997	1.25	314,909	459,426	1.46
1982-83	1,326,574	393,975	0.30	212,939	97,614	0.46	278,217	74,554	0.27
1983-84	1,613,929	3,971,328	2.46	323,706	494,824	1.53	403,439	758,362	1.88
1984-85	1,522,621	2,666,338	1.75	228,293	343,203	1.50	485,505	637,723	1.31
1985-86	1,508,077	2,250,379	1.49	211,543	300,025	1.42	388,631	475,814	1.22
1985-86	1,487,831	2,224,941	1.50	203,630	290,471	1.43	378,467	463,811	1.23
1986-87	1,363,605	2,794,559	2.05	214,766	355,875	1.66	265,362	443,852	1.67
1987-88	1,025,737	1,882,392	1.84	216,239	325,205	1.50	366,241	529,496	1.45

## MAIZE FOR GRAIN, HAY, AND POTATOES, VICTORIA

Year ended 31 March -	Maize for grain			Hay			Potatoes		
	Area	Production	Yield per hectare	Area	Production	Yield per hectare	Area	Production	Yield per hectare (a)
	hectares	tonnes	tonnes	hectares	tonnes	tonnes	hectares	tonnes	tonnes
1838-39	8	-	-	-	-	-	8	-	-
1839-40	57	-	-	-	-	-	78	-	-
1840-41	-	-	-	-	-	-	61	305	5.00
1841-42	33	30	0.91	182	914	5.02	377	3,794	10.06
1842-43	28	35	1.25	344	2,337	6.79	574	6,092	10.61
1843-44	32	-	-	656	2,704	4.12	837	7,044	8.42
1844-45	43	84	1.95	718	6,563	9.14	1,006	12,617	12.54
1845-46	31	50	1.61	2,023	9,795	4.84	826	11,317	13.70



MAIZE FOR GRAIN, HAY, AND POTATOES, VICTORIA - *continued*

Year ended 31 March -	Maize for grain			Hay			Potatoes		
	Area	Production	Yield per hectare	Area	Production	Yield per hectare	Area	Production	Yield per hectare (a)
	hectares	tonnes	tonnes	hectares	tonnes	tonnes	hectares	tonnes	tonnes
1846-47	49	85	1.73	1,840	9,452	5.14	866	9,169	10.59
1847-48	53	92	1.74	2,053	10,050	4.90	1,068	7,371	6.90
1848-49	60	100	1.67	2,389	10,796	4.52	1,043	12,180	11.68
1849-50	12	6	0.50	4,525	15,891	3.51	870	6,024	6.92
1850-51	10	-	-	5,490	21,308	3.88	1,148	5,703	4.97
1851-52	4	15	3.75	6,808	30,169	4.43	962	6,084	6.32
1852-53	0.4	2	5.00	5,706	21,629	3.79	800	4,584	5.73
1853-54	8	2	0.25	8,834	34,462	3.90	662	2,796	4.22
1854-55	15	10	0.67	12,753	54,488	4.27	1,334	8,518	6.39
1855-56	49	80	1.63	16,264	84,622	5.20	4,458	60,757	13.63
1856-57	132	211	1.60	21,038	82,453	3.92	6,589	37,487	5.69
1857-58	180	167	0.93	30,568	139,682	4.57	8,376	51,936	6.20
1858-59	194	246	1.27	34,869	115,365	3.31	12,151	110,208	9.07
1859-60	299	187	0.63	39,890	137,820	3.46	11,178	49,753	4.45
1860-61	668	636	0.95	36,794	146,526	3.98	10,053	78,498	7.81
1861-62	694	528	0.76	30,222	93,982	3.11	10,997	60,317	5.48
1862-63	506	501	0.99	41,132	112,456	2.73	10,045	51,409	5.12
1863-64	692	852	1.23	38,991	123,796	3.17	11,163	76,150	6.82
1864-65	242	101	0.42	34,457	99,300	2.88	12,615	60,788	4.82
1865-66	132	121	0.92	39,620	97,643	2.46	12,806	84,501	6.60
1866-67	658	699	1.06	37,422	163,831	4.38	13,113	90,307	6.89
1867-68	234	288	1.23	43,857	142,849	3.26	14,500	119,677	8.25
1868-69	349	433	1.24	45,439	124,771	2.75	14,651	81,227	5.54
1869-70	437	562	1.29	56,832	228,424	4.02	16,680	129,694	7.78
1870-71	410	509	1.24	66,037	186,657	2.83	15,793	129,627	8.21
1871-72	692	783	1.13	41,766	146,958	3.52	15,809	127,861	8.09
1872-73	773	958	1.24	49,119	162,531	3.31	15,587	135,132	8.67
1873-74	793	1,025	1.29	46,811	149,764	3.20	15,519	111,585	7.19
1874-75	616	616	1.00	48,170	159,785	3.32	14,238	126,305	8.87
1875-76	949	944	0.99	62,837	209,929	3.34	14,933	126,373	8.46
1876-77	651	658	1.01	59,654	183,458	3.08	16,370	136,234	8.32
1877-78	492	560	1.14	71,610	211,492	2.95	15,017	117,271	7.81
1878-79	785	1,035	1.32	69,929	212,383	3.04	14,782	100,546	6.80
1879-80	990	1,572	1.59	81,524	297,100	3.64	16,835	170,628	10.14
1880-81	716	1,252	1.75	101,032	305,405	3.02	18,596	131,337	7.06
1881-82	722	2,058	2.85	85,854	242,626	2.83	15,835	136,445	8.62
1882-83	1,093	3,343	3.06	125,203	332,640	2.66	13,867	131,685	9.50
1883-84	1,040	2,979	2.86	122,602	440,095	3.59	16,266	163,673	10.06
1884-85	1,560	4,480	2.87	137,482	377,001	2.74	15,687	163,705	10.44
1885-86	1,833	4,604	2.51	170,387	449,214	2.64	17,240	165,821	9.62
1886-87	1,983	5,879	2.96	180,146	490,802	2.72	20,224	173,400	8.57
1887-88	2,441	8,092	3.32	178,795	634,139	3.55	19,531	201,407	10.31
1888-89	2,343	6,786	2.90	166,460	313,062	1.88	17,431	133,254	7.64
1889-90	3,418	9,069	2.65	182,734	677,080	3.71	19,076	159,626	8.37
1890-91	4,191	14,582	3.48	167,156	576,892	3.45	21,779	207,432	9.52
1891-92	3,331	11,734	3.52	149,531	522,662	3.50	23,202	203,741	8.78
1892-93	2,698	9,479	3.51	207,461	751,927	3.62	16,428	144,912	8.82
1893-94	2,624	4,583	1.75	166,821	511,434	3.07	16,555	147,031	8.88
1894-95	2,297	7,482	3.26	199,339	631,523	3.17	22,817	199,863	8.76
1895-96	2,908	8,938	3.07	187,969	397,134	2.11	17,764	119,120	6.71



MAIZE FOR GRAIN, HAY, AND POTATOES, VICTORIA - *continued*

Year ended 31 March -	Maize for grain			Hay			Potatoes		
	Area	Production	Yield per hectare	Area	Production	Yield per hectare	Area	Production	Yield per hectare (a)
	hectares	tonnes	tonnes	hectares	tonnes	tonnes	hectares	tonnes	tonnes
1896-97	3,946	14,378	3.64	168,619	456,263	2.71	17,617	148,907	8.45
1897-98	4,390	13,082	2.98	234,718	670,222	2.86	17,886	68,376	3.82
1898-99	4,309	14,912	3.46	228,787	734,908	3.21	16,694	163,728	9.81
1899-1900	4,467	15,872	3.55	182,185	605,762	3.32	22,448	176,164	7.85
1900-01	3,800	15,347	4.04	203,195	688,635	3.39	15,571	125,102	8.03
1901-02	4,055	15,634	3.86	266,785	898,563	3.37	16,211	127,488	7.86
1902-03	4,414	19,064	4.32	235,076	610,922	2.60	20,115	171,468	8.52
1903-04	4,779	22,969	4.81	296,778	1,252,854	4.22	19,801	170,428	8.61
1904-05	4,611	15,844	3.44	183,104	522,571	2.85	18,985	94,363	4.97
1905-06	4,769	16,288	3.42	239,481	878,047	3.67	18,077	117,203	6.48
1906-07	4,678	17,907	3.83	251,366	895,420	3.56	22,408	169,517	7.57
1907-08	4,388	12,923	2.95	276,074	693,322	2.51	21,913	137,279	6.26
1908-09	5,667	16,523	2.92	387,030	1,438,469	3.72	19,386	155,293	8.01
1909-10	7,734	29,415	3.80	349,794	1,205,785	3.45	25,248	177,778	7.04
1910-11	8,155	24,947	3.06	336,969	1,313,153	3.90	25,456	165,933	6.52
1911-12	7,375	20,135	2.73	348,113	1,048,856	3.01	19,300	121,003	6.27
1912-13	8,088	18,169	2.25	487,132	1,598,179	3.28	19,253	194,179	10.09
1913-14	7,269	20,334	2.80	395,655	1,372,048	3.47	30,179	179,436	5.95
1914-15	7,864	25,869	3.29	362,500	578,088	1.59	26,505	192,262	7.25
1915-16	9,008	25,398	2.82	538,417	2,379,685	4.42	23,031	176,611	7.67
1916-17	9,339	29,779	3.19	363,079	1,252,506	3.45	29,792	191,009	6.41
1917-18	8,493	29,282	3.45	303,032	964,785	3.18	27,100	185,119	6.83
1918-19	9,129	18,078	1.98	398,405	1,131,738	2.84	20,890	139,740	6.69
1919-20	9,500	22,326	2.35	452,033	1,262,431	2.79	21,820	148,230	6.79
1920-21	9,773	27,075	2.77	539,607	2,016,711	3.74	25,369	174,383	6.87
1921-22	9,400	24,181	2.57	469,086	1,573,306	3.35	25,857	176,447	6.82
1922-23	10,460	22,351	2.14	510,474	1,691,814	3.31	24,986	150,735	6.03
1923-24	11,778	37,206	3.16	517,029	1,566,025	3.03	24,000	242,348	10.10
1924-25	9,359	22,658	2.42	453,375	1,516,544	3.35	24,805	141,275	5.70
1925-26	8,868	19,527	2.20	410,195	943,980	2.30	25,645	163,309	6.37
1926-27	8,112	17,410	2.15	437,463	1,410,248	3.22	26,784	165,524	6.18
1927-28	7,141	19,249	2.70	367,780	1,017,321	2.77	31,423	234,045	7.45
1928-29	6,506	17,268	2.65	406,735	1,287,779	3.17	27,685	142,408	5.14
1929-30	7,139	13,557	1.90	350,059	978,547	2.80	23,791	174,504	7.33
1930-31	6,567	17,600	2.68	516,945	1,631,675	3.16	27,353	176,123	6.44
1931-32	6,359	15,543	2.44	386,815	1,086,438	2.81	28,299	209,803	7.41
1932-33	6,647	12,120	1.82	422,704	1,408,274	3.33	28,240	185,400	6.57
1933-34	7,907	16,359	2.07	484,109	1,375,524	2.84	24,628	144,413	5.86
1934-35	7,579	18,273	2.41	510,532	1,487,765	2.91	21,940	111,084	5.06
1935-36	8,246	16,222	1.97	461,488	1,368,572	2.97	17,922	105,796	5.90
1936-37	8,140	20,181	2.48	478,182	1,425,568	2.98	18,465	199,779	10.82
1937-38	8,449	19,910	2.36	436,672	1,265,932	2.90	16,635	136,874	8.23
1938-39	7,481	10,582	1.41	446,999	907,307	2.03	13,920	82,722	5.94
1939-40	7,674	9,670	1.26	487,570	1,850,103	3.79	13,022	89,342	6.86
1940-41	6,225	17,856	2.87	272,335	589,550	2.16	17,885	220,044	12.30
1941-42	3,883	7,770	2.00	407,915	1,466,673	3.60	13,513	120,355	8.91
1942-43	2,886	6,892	2.39	319,213	1,066,961	3.34	20,945	198,270	9.47
1943-44	2,670	3,821	1.43	299,740	978,561	3.26	28,502	220,869	7.75
1944-45	1,839	4,200	2.28	365,020	715,549	1.96	33,685	310,115	9.21
1945-46	2,756	7,822	2.84	429,168	1,467,430	3.42	25,495	234,453	9.20
1946-47	3,281	9,066	2.76	274,291	1,001,037	3.65	22,824	227,374	9.96
1947-48	3,225	8,230	2.55	265,938	1,059,169	3.98	24,038	187,849	7.81
1948-49	2,614	6,602	2.53	239,307	948,973	3.97	18,529	168,771	9.11
1949-50	2,078	4,931	2.37	245,452	1,016,919	4.14	20,498	170,575	8.32



MAIZE FOR GRAIN, HAY, AND POTATOES, VICTORIA - *continued*

Year ended 31 March -	Maize for grain			Hay			Potatoes		
	Area	Production	Yield per hectare	Area	Production	Yield per hectare	Area	Production	Yield per hectare (a)
	hectares	tonnes	tonnes	hectares	tonnes	tonnes	hectares	tonnes	tonnes
1950-51	1,655	4,742	2.87	225,594	908,943	4.03	21,239	141,628	6.67
1951-52	1,665	4,266	2.56	259,168	1,063,565	4.10	17,041	181,262	10.64
1952-53	2,094	5,167	2.47	304,701	1,265,203	4.15	21,388	135,285	6.33
1953-54	2,272	7,571	3.33	326,672	1,382,501	4.23	21,345	217,144	10.17
1954-55	1,772	5,811	3.28	299,103	1,227,062	4.10	17,837	209,893	11.77
1955-56	1,431	4,466	3.12	355,836	1,550,489	4.36	14,981	165,859	11.07
1956-57	1,104	2,052	1.86	316,445	1,446,186	4.57	16,068	230,955	14.37
1957-58	1,731	6,141	3.55	352,465	1,436,084	4.07	20,172	255,190	12.65
1958-59	1,571	5,166	3.29	518,864	2,336,136	4.50	18,665	263,509	14.12
1959-60	1,369	4,584	3.35	342,991	1,372,687	4.00	19,630	246,441	12.55
1960-61	1,208	4,346	3.60	520,526	2,375,435	4.56	15,650	183,721	11.74
1961-62	1,339	4,871	3.64	373,133	1,610,602	4.32	14,758	199,178	13.50
1962-63	1,471	5,491	3.73	506,076	2,414,519	4.77	17,411	258,557	14.85
1963-64	1,376	5,167	3.76	460,729	1,978,587	4.29	16,036	203,600	12.70
1964-65	952	2,900	3.05	528,668	2,546,172	4.82	13,327	186,613	14.00
1965-66	681	2,578	3.79	465,529	1,902,893	4.09	13,894	244,651	17.61
1966-67	569	1,832	3.22	630,696	3,029,401	4.80	15,041	228,800	15.21
1967-68	371	812	2.19	471,545	1,581,443	3.35	16,321	219,407	13.44
1968-69	470	1,833	3.90	747,298	3,693,666	4.94	16,179	304,775	18.84
1969-70	463	1,827	3.95	485,606	2,500,451	5.15	16,092	284,040	17.65
1970-71	535	1,578	2.95	512,437	2,494,736	4.87	14,150	303,901	21.48
1971-72	375	1,919	5.12	636,408	3,001,701	4.72	13,986	306,707	21.93
1972-73	495	1,506	3.04	516,798	1,975,143	3.82	13,120	286,990	21.87
1973-74	654	1,890	2.89	625,726	2,967,388	4.74	12,474	254,021	20.36
1974-75	543	1,912	3.52	505,609	2,016,529	3.99	13,010	282,547	21.72
1975-76	526	2,515	4.78	487,554	1,858,060	3.81	10,940	244,467	22.35
1976-77	432	1,710	3.96	517,992	2,004,050	3.87	9,892	243,625	24.63
1977-78	505	1,848	3.66	380,091	1,251,562	3.29	12,147	303,433	24.98
1978-79	513	1,994	3.89	509,550	2,012,410	3.95	11,256	279,613	24.84
1979-80	575	2,850	4.96	411,812	1,615,035	3.92	13,077	333,614	25.51
1980-81	568	3,002	5.29	497,327	1,894,298	3.81	13,702	348,950	25.47
1981-82	476	2,357	4.95	556,335	1,982,371	3.56	13,668	354,197	25.91
1982-83	602	2,449	4.07	348,329	1,064,904	3.06	13,520	291,380	21.55
1983-84	860	5,023	5.84	717,592	3,031,995	4.23	13,497	362,379	26.85
1984-85	1,224	6,303	5.15	386,759	1,516,426	3.92	14,922	379,074	25.40
1985-86	1,091	5,048	4.63	425,182	1,648,310	3.88	14,192	366,971	25.86
1985-86	1,073	4,999	4.66	390,348	1,524,463	3.91	14,078	365,472	25.96
1986-87	637	3,207	5.03	483,382	1,932,324	4.00	13,195	364,319	27.61
1987-88	1,300	5,500	4.15	379,938	1,459,806	3.84	14,458	398,175	27.54

(a) Yield per hectare - planted.



## MANUFACTURING

## FACTORIES, VICTORIA

Year	Manufacturing establishments	Employment	Wages and salaries paid	Value of -		
				Output	Production	Land, buildings, plant, and machinery
			\$m	\$m	\$m	\$m
1850	68					
1851	83					
1852	90					
1853	228					
1854	192					
1855	278					
1856	290					
1857	474					
1858	507					
1859	500					
1860	566	5,467				
1861	531	4,395				
1862	703	6,405				
1863	823	7,369				
1864	704	7,046				
1865	900	10,059				5
1866	983	11,488				5
1867	1,104	14,230				6
1868	1,316	16,770				8
1869	1,530	18,941				9
1870	1,579	17,758				9
1871	1,740	19,569				9
1872	1,770	21,591				10
1873	1,803	24,495				12
1874	2,104	28,036				14
1875	2,241	29,821				11
1876	2,302	31,478				12
1877	2,370	32,688				13
1878	2,343	33,278				14
1879	2,239	33,247				13
1880	2,468	38,178		27		15
1881	2,488	43,208				16
1882	2,612	45,698				17
1883	2,777	46,857				19
1884	2,856	49,393				20
1885	2,813	49,297				22
1886	2,770	45,773				22
1887	2,854	49,084				25
1888	2,975	54,488				30
1889	3,137	57,432				31
1890	3,104	56,369		45		31
1891	3,141	52,225				30
1892	2,952	43,200				27
1893	2,677	39,473				24
1894	2,632	41,000				23
1895	2,804	46,095				24
1896	2,810	50,448				24
1897	2,760	52,701				24

FACTORIES, VICTORIA - *continued*

Year	Manufacturing establishments	Employment	Wages and salaries paid \$m	Value of -		Land, buildings, plant, and machinery \$m
				Output \$m	Production \$m	
1898	2,869	54,778				24
1899	3,027	60,070				24
1900	3,097	64,207		39		24
1901	3,249	66,529				25
1902	4,003	73,063				27
1903	4,151	73,229	9			26
1904	4,208	76,287	10	46		27
1905	4,264	80,235	10	50		28
1906	4,360	85,229	11	56		29
1907	4,530	90,903	12	61		30
1908	4,608	93,808	13	62		31
1909	4,755	97,355	14	66		32
1910	4,873	102,176	15	73		33
1911	5,126	111,948	18	83		37
1912	5,263	116,108	20	91		39
1913	5,613	118,744	21	96		42
1914	5,650	118,399	22	99		44
1915	5,413	113,834	22	103		45
1916-17	5,445	116,970	24	120		48
1917-18	5,627	118,241	25	134		51
1918-19	5,720	122,349	28	160		55
1919-20	6,038	136,522	35	203		62
1920-21	6,532	140,743	43	212	74	71
1921-22	6,762	144,876	48	212	84	82
1922-23	7,096	152,625	51	223	90	93
1923-24	7,289	156,162	55	228	95	106
1924-25	7,425	154,158	55	236	97	122
1925-26	7,461	152,959	55	240	96	121
1926-27	7,690	161,639	60	255	105	128
1927-28	8,245	160,357	60	257	108	135
1928-29	8,197	156,568	59	256	106	140
1929-30	8,195	151,009	57	246	103	144
1930-31	8,199	126,016	43	187	79	142
1931-32	8,204	128,265	39	187	76	137
1932-33	8,612	144,428	42	204	82	136
1933-34	8,896	156,334	46	217	88	138
1934-35	9,100	169,691	51	234	98	141
1935-36	9,160	183,390	57	268	108	144
1936-37	9,165	191,383	62	285	117	150
1937-38	9,241	201,789	790	314	130	154
1938-39	9,250	201,831	72	306	132	161
1939-40	9,215	212,461	79	349	148	169
1940-41	9,121	237,636	100	419	178	184
1941-42	8,918	258,400	129	515	222	196
1942-43	8,738	262,357	146	555	243	209
1943-44	9,317	261,299	148	569	247	221
1944-45	9,669	257,633	141	575	245	233
1945-46	10,195	256,249	141	574	241	238
1946-47	10,949	265,757	156	631	263	244
1947-48	11,642	278,271	188	755	317	264
1948-49	12,702	292,006	225	894	366	299
1949-50	13,231	303,476	261	1,053	438	354



# FACTORIES, VICTORIA - continued

Year	Manufacturing establishments	Employment	Wages and salaries paid	Value of -		
				Output	Production	Land, buildings, plant, and machinery
			\$m	\$m	\$m	\$m
1950-51	13,504	316,792	326	1,350	551	415
1951-52	14,758	324,143	405	1,668	669	497
1952-53	15,154	310,759	422	1,720	716	565
1953-54	15,533	331,277	472	1,971	817	679
1954-55	15,861	346,648	526	2,201	904	825
1955-56	16,053	355,185	573	2,403	984	931
1956-57	16,232	355,204	593	2,552	1,056	1,067
1957-58	16,426	357,143	621	2,760	1,137	1,160
1958-59	16,527	362,979	649	2,866	1,218	1,294
1959-60	16,979	381,514	741	3,251	1,384	1,466
1960-61	17,173	387,430	776	3,332	1,418	1,642
1961-62	17,300	377,745	770	3,374	1,441	1,828
1962-63	17,501	397,156	839	3,707	1,602	1,957
1963-64	17,597	413,120	912	4,055	1,750	2,062
1964-65	17,925	432,389	1,028	4,501	1,950	2,234
1965-66	17,980	439,149	1,077	4,625	2,028	2,387
1966-67	18,054	445,557	1,168	5,050	2,236	2,617
1967-68	18,030	449,949	1,244	5,351	2,395	2,685
				Turnover	Value added	Fixed capital expenditure less disposals (\$m)
1968-69	11,563	431,651	1,342	6,336	2,542	278
1969-70	11,393	445,663	1,497	6,998	2,799	300
1970-71	-	-	-	-	-	-
1971-72	11,408	450,206	1,800	8,055	3,328	374
1972-73	11,735	455,029	2,045	9,078	3,738	438
1973-74	12,070	469,838	2,524	10,669	4,546	418
1974-75	(a) 8,924	432,851	2,961	11,730	5,131	455
	(b) 2,834	5,727	17	100	48	2
1975-76	8,873	417,107	3,287	13,220	5,765	462
1976-77	8,735	409,196	3,650	15,040	6,629	495
1977-78	8,571	396,722	3,831	16,175	6,905	653
1978-79	8,546	394,964	4,102	18,228	7,377	742
1979-80	8,902	397,313	4,563	21,233	8,505	735
1980-81	8,726	391,489	5,032	23,855	9,440	712
1981-82	8,916	392,737	5,757	27,208	10,688	1,046
1982-83	8,393	362,742	5,945	27,747	10,649	998
1983-84	8,404	353,248	6,058	30,081	11,779	779
1984-85	8,499	356,687	6,551	33,436	13,154	1,035
1985-86	..	..	..	..	..	..
1986-87	9,109	357,147	7,449	39,982	15,627	n.a.
1987-88	9,856	367,391	8,297	45,550	n.a.	n.a.

(a) All manufacturing establishment owned by multi-establishment enterprises and single establishment manufacturing enterprises with four or more persons employed. 1975-76 and later figures do not include data for single establishment enterprises with less than four persons employed.

(b) Single establishment manufacturing enterprises with less than four persons employed.

## NOTE:

This series of factory statistics has not always been compiled on the same basis. The definition of the unit classified, the industrial classification of manufacturing establishments, and the content of the returns have all changed during the period covered by the table.

- . A June-July financial year was adopted in respect of 1916-17 (previously a calendar year was used). Undoubtedly, within the very broad headings of various industrial classifications, differences in administrative practices and coverage were also responsible for minor differences. Revisions, when introduced, could not always be carried through statistics for earlier years.
- . Returns were first collected through municipal authorities and for the period 1902 to 1954 by the Victorian Police under the supervision of the Government Statist. Between 1955 and 1958 dispatch and receipt of returns by mail was progressively introduced and the involvement of the Police ceased.
- . As foreshadowed above, the series can be regarded as divisible into a number of series of varying time spans rather than as a continuous series. Between 1902 and 1967-68 the definition of the unit treated was unchanged. However, a number of changes took place in the classification of the units during that period.
- . In 1968-69 the first of the integrated economic censuses was conducted of manufacturing, mining, electricity and gas, wholesale, and retail establishments. The integration of these economic censuses meant, that for the first time, they were being conducted on the basis of a common framework of reporting units and data concepts and in accordance with a standard industrial classification. For details see *Victorian Year Book* 1971, pages 368-89.
- . No Census of Manufacturing Establishments was conducted for the years ending 30 June 1971 and 1986.
- . From the 1975-76 Census of Manufacturing Establishments onwards, only a limited range of data (employment and wages and salaries) was collected from single establishment manufacturing enterprises with less than four persons employed. This procedure has significantly reduced the statistical reporting obligations of small businesses.
- . Further steps to reduce respondent burden were taken for the 1986-87 Manufacturing Census when single establishment enterprises with fewer than 20 employees were made subject to sampling. Those enterprises selected in the sample provided detailed information of employment, wages and salaries, turnover, stocks, expenses and goods produced. The balance of establishments provided less detailed information for employment, wages and salaries, turnover and goods produced.



## MINING

## MINERAL PRODUCTION, VICTORIA

Year	Gold		Black coal		Brown coal		Net value of total mining and quarrying production
	Quantity	Value (a)	Quantity	Value (a)	Quantity	Value (a)	
	gross oz	\$'000	tonnes	\$'000	tonnes	\$'000	
1851	212,899	1,703	2,145	4			
1852	2,286,535	18,292					
1853	2,744,098	21,953					
1854	2,218,483	17,748					
1855	2,819,288	22,554					
1856	3,053,744	24,430					
1857	2,830,213	22,642					
1858	2,596,231	20,770					
1859	2,348,703	18,790					
1860	2,224,069	17,793					
1861	2,035,173	16,281	200	-			
1862	1,730,201	13,842					
1863	1,694,819	13,559					
1864	1,622,447	12,980					
1865	1,611,554	12,892					
1866	1,546,948	12,373					
1867	1,501,446	12,012					
1868	1,684,918	13,479					
1869	1,544,756	12,358					
1870	1,304,304	10,434	102	-			
1871	1,368,942	10,950					
1872	1,331,377	10,651	10	-			
1873	1,170,397	9,363	512	1			
1874	1,097,643	8,781	2,956	6			
1875	1,068,417	8,547					
1876	963,760	7,710	1,113	2			
1877	809,653	6,477	2,459	5			
1878	758,040	6,064					
1879	758,947	6,072					
1880	829,121	6,633					
1881	833,378	6,667					
1882	864,600	6,917					
1883	780,253	6,242					
1884	778,618	6,229	3,333	7			
1885	735,218	5,882					
1886	665,196	5,322	87	-			
1887	617,751	4,942	3,411	8			
1888	625,026	5,000	8,711	14			
1889	614,838	4,919	14,830	22			
1890	588,560	4,708	14,835	28	9,477	5	
1891	576,399	4,611	23,200	39			
1892	654,456	5,236	23,738	40			
1893	671,126	5,369	93,198	98			
1894	716,954	5,736	174,415	190			
1895	740,086	5,921	197,344	237			
1896	805,087	6,441	230,198	226			
1897	812,766	6,502	240,069	217			
1898	837,257	6,699	246,758	206			
1899	854,500	6,836	266,591	227			
1900	807,407	6,459	214,992	203			

MINERAL PRODUCTION, VICTORIA - *continued*

Year	Gold		Black coal		Brown coal		Net value of total mining and quarrying production
	Quantity fine oz	Value (a) \$'000	Quantity tonnes	Value (a) \$'000	Quantity tonnes	Value (a) \$'000	
1901	730,453	6,206	212,689	294			
1902	720,866	6,124	228,778	312			
1903	767,297	6,519	65,230	82			
1904	765,600	6,504	123,695	140			
1905	747,166	6,347	157,625	158			
1906	772,290	6,561	163,209	161			
1907	695,576	5,909	140,808	159			
1908	671,208	5,702	115,283	159			
1909	654,222	5,558	130,230	154			
1910	570,383	4,845	374,982	378	457	1	
1911	504,000	4,278	664,359	598			
1912	480,131	4,079	598,599	517			
1913	434,932	3,695	603,444	549			
1914	413,218	3,510	627,447	577			
1915	329,068	2,796	597,543	550	2,910	1	
1916	256,643	2,180	423,879	432	2,962	1	
1917	201,872	1,715	473,703	671	39,772	21	
1918	158,827	1,349	446,630	699	67,263	36	
1919	35,428	1,151	430,749	744	113,420	69	
1920	152,792	1,298	449,339	929	165,293	128	
1921	104,512	88	523,122	1,207	84,496	62	
1922	106,872	908	568,261	1,329	91,853	63	
1923	95,403	810	484,476	1,051	118,764	76	
1924	67,167	571	526,634	1,139	129,536	82	
1925	47,296	402	542,821	1,192	884,439	326	
1926	49,078	417	600,487	1,316	973,310	378	
1927	38,538	327	695,227	1,525	1,478,842	440	
1928	33,917	288	668,889	1,462	1,617,407	405	
1929	26,275	223	715,124	1,627	1,769,122	356	3,402
1930	24,119	205	714,778	1,618	1,860,903	347	3,480
1931	43,637	513	580,512	724	2,229,674	494	2,825
1932	47,745	712	439,292	551	2,654,443	544	2,189
1933	58,183	908	531,394	658	2,621,470	624	2,388
1934	70,196	1,208	262,687	431	2,659,545	524	2,762
1935	87,609	1,546	484,143	870	2,257,170	635	2,919
1936	117,596	1,986	433,574	781	3,093,768	646	3,587
1937	145,799	2,552	262,085	508	3,448,391	652	3,187
1938	144,243	2,563	312,189	573	3,734,441	703	3,453
1939	156,522	3,078	370,752	520	3,709,613	772	3,485
1940	180,567	3,848	271,990	461	4,347,145	783	4,222
1941	149,769	3,201	331,680	608	4,638,916	846	5,019
1942	101,497	2,122	317,875	822	5,013,049	939	4,427
1943	56,511	1,181	291,708	859	5,173,451	1,057	3,769
1944	54,086	1,137	261,828	816	5,096,951	1,133	3,088
1945	61,790	1,323	251,266	989	5,532,502	1,282	3,097
1946	86,993	1,873	194,360	795	5,798,607	1,413	3,470
1947	84,709	1,823	176,471	600	6,238,689	1,875	4,108
1948	68,579	1,476	170,229	695	6,799,702	2,375	4,594
1949	68,426	1,679	124,473	759	7,493,937	2,939	4,346
1950	67,826	2,101	128,460	764	7,444,719	3,413	4,526



## MINERAL PRODUCTION, VICTORIA - continued

Year	Gold		Black coal		Brown coal		Net value of total mining and quarrying production
	Quantity	Value (a)	Quantity	Value (a)	Quantity	Value (a)	
	fine oz	\$'000	tonnes	\$'000	tonnes	\$'000	
1951	66,063	2,047	150,114	1,201	7,961,825	5,510	5,938
1952	66,777	2,073	146,128	1,506	8,233,829	6,953	8,418
1953	63,917	1,992	154,345	1,959	8,389,829	7,273	13,264
1954	52,665	1,640	143,586	1,803	9,481,022	7,890	14,554
1955	38,035	1,189	135,021	1,653	10,274,507	8,787	16,292
1956	38,846	1,216	120,734	1,354	10,729,286	9,288	17,738
1957	45,752	1,432	113,360	1,008	10,913,382	10,410	18,914
1958	41,476	1,358	110,098	1,037	11,830,509	11,537	19,888
1959	34,662	1,117	89,123	109	13,243,810	12,386	21,974
1960	28,566	893	78,207	835	15,207,426	13,689	24,202
1961	26,229	824	67,428	719	16,540,44	15,443	26,316
1962	28,262	637	57,631	633	17,412,494	15,682	32,958
1963	24,668	779	51,291	588	18,752,671	16,158	32,394
1964	21,284	665	47,813	544	19,340,300	17,304	33,652
1965	19,246	565	42,925	515	20,990,431	18,436	37,056
1966	21,005	610	36,089	497	22,132,594	20,064	39,958
1967	10,996	345	32,581	251	23,758,914	20,686	43,438
1968	11,069	344	26,736	209	23,339,332	21,555	47,382
							Value added (b)
1968-69	9,286	335	13,312	105	23,499,703	20,879	51,628
1969-70	8,678	293	407	6	24,310,900	22,131	82,478
							grammes
1970-71	182,826	178	20	-	28,180,539	22,975	217,953
1971-72	193,556	214			23,630,467	25,706	283,445
1972-73	141,054	102			24,121,155	28,555	316,619
1973-74	67,941	81			26,354,577	31,532	389,313
1974-75	217,794	225			27,541,462	45,341	468,513
1975-76	105,582	343			29,211,090	52,871	512,919
1976-77	40,175	112			30,994,476	61,598	548,722
1977-78	9,238	35			30,492,186	73,183	636,873
1978-79	21,799	129			32,101,029	87,641	868,078
1979-80	41,088	456			32,896,281	101,480	1,091,266
1980-81	62,350	829			32,102,948	116,728	1,502,196
1981-82	87,392	853			37,566,541	147,485	1,689,879
1982-83	115,053	1,370			34,998,510	158,383	1,820,366
1983-84	187,472	1,725			34,004,878	145,997	2,241,016
1984-85	901,568	11,297			38,500,759	213,788	2,819,743
1985-86	1,271,669	17,901			35,468,473	245,688	3,069,722
1986-87	1,178,472	21,594			41,797,818	279,930	2,238,981
1987-88	1,634,374	32,868			43,480,844	312,031	2,605,549

(a) Selling value at point sale of mine or quarry products less transport costs from mine or quarry to point of sale, i.e. value of output at mine or quarry. Gold value excludes annual subsidy.

(b) Net value of total production until 1968. Value added of mining and quarrying from 1968-69.

## BUILDING

## NEW BUILDINGS COMPLETED, VICTORIA

Year	Houses		Other residential buildings		Value of all
	Number	Value (a)	Number (b)	Value (b)	buildings (a) (c)
		\$'000		\$'000	\$'000
1945-46	3,666	7,604	14	14	10,942
1946-47	7,436	18,720	86	198	22,134
1947-48	11,846	32,098	167	400	35,782
1948-49	14,278	45,084	368	1,056	54,714
1949-50	15,611	57,708	246	1,326	69,368
1950-51	21,194	88,560	333	1,368	104,280
1951-52	24,088	115,990	416	2,022	137,850
1952-53	21,284	114,222	692	4,176	153,938
1953-54	21,593	116,074	689	3,544	173,440
1954-55	23,839	135,276	781	3,664	197,864
1955-56	22,652	136,416	1,273	6,308	223,188
1956-57	20,185	131,542	897	4,680	229,660
1957-58	21,367	140,564	1,104	5,828	263,512
1958-59	24,329	161,916	1,434	7,628	274,874
1959-60	24,157	163,496	2,062	10,920	296,324
1960-61	22,094	157,596	4,183	27,072	326,304
1961-62	18,969	142,536	4,070	26,686	296,350
1962-63	20,328	154,358	3,772	23,184	333,568
1963-64	22,799	175,846	4,270	23,734	334,830
1964-65	22,821	185,692	8,674	47,564	402,280
1965-66	20,929	184,060	9,506	52,663	415,375
1966-67	22,126	203,556	10,138	55,958	471,943
1967-68	21,592	208,097	12,686	80,541	497,370
1968-69	22,731	230,420	13,775	90,085	578,126
1969-70	24,702	261,899	13,992	101,953	629,109
1970-71	25,179	278,109	12,087	85,717	667,966
1971-72	25,627	306,315	10,091	75,421	677,381
1972-73	28,260	372,099	9,923	82,668	809,900
1973-74(d)	27,067	419,669	10,054	101,311	910,481
1974-75	26,902	511,546	10,440	129,749	1,108,278
1975-76	26,135	610,160	8,174	129,924	1,374,470
1976-77	28,901	796,043	8,924	177,775	1,617,273
1977-78	26,471	832,184	7,018	157,315	1,696,045
1978-79	23,445	769,068	4,514	111,773	1,748,931
1979-80	22,617	785,744	4,323	110,680	1,805,977
1980-81(e)	(f)21,480	817,490	4,420	115,633	1,869,595
1981-82	19,960	870,526	4,530	132,148	2,075,133
1982-83	18,850	866,167	5,006	147,150	2,397,778
1983-84	25,800	1,205,396	5,030	176,244	2,557,736
1984-85	29,650	1,524,763	5,854	223,777	3,229,392
1985-86	29,970	1,741,000	6,499	292,748	3,974,083
1986-87	27,710	1,790,546	5,999	292,950	4,326,017
1987-88	27,670	1,979,120	4,813	253,666	5,019,862
1988-89	30,540	2,421,706	4,377	297,879	6,604,253

(a) Excludes value of land.

(b) Individual dwelling units.

(c) Includes houses and flats.

(d) Prior to 1973-74, additions and alterations to dwellings valued at \$10,000 or more were included in the figures.

(e) There was a change in the scope and methodology of the collection in 1980-81 with further modification in 1981-82.

(f) From 1980-81 figures for houses are rounded to the nearest ten units.



## TRANSPORT

## RAILWAYS, TRAMWAYS, AND OMNIBUS SERVICES, VICTORIA

Year (a)	Victorian Railways				Metropolitan Transit Authority (b)			
	Lines open for traffic	Kilometres run	Passenger journeys	Goods and livestock carried	Tramways		Omnibuses	
	kilometres	'000	'000	'000 tonnes	Kilometres run	Passenger journeys	Kilometres run	Passenger journeys
1862	344	1,507						
1863	344	1,929						
1864	438	2,555						
1865	436	2,378						
1866	436	2,484						
1867	436	2,396						
1868	436	2,477						
1869	436	2,516						
1870	441	2,407						
1871	444	1,477						
1872	529	2,529						
1873	607	2,843	4,724	816				
1874	737	3,394	5,375	919				
1875	970	4,028	6,165	955				
1876	1,157	6,462	6,648	1,172				
1877	1,529	5,264	7,338	1,273				
1878	1,693	5,847	8,005	1,208				
1879	1,811	6,442	14,584	1,132				
1880	1,930	7,050	15,999	1,278				
1881	2,007	7,457	18,973	1,444				
1882	2,181	8,158	22,646	1,711				
1883	2,514	9,176	26,485	1,912				
1884	2,676	11,182	31,936	2,422				
1885	2,697	11,024	34,814	2,309				
1886	2,805	11,679	42,511	2,768	(c)801	(c)16,353		
1887	3,026	12,861	49,220	3,020	(d)2,429	(d)17,992		
1888	3,248	14,617	55,911	3,621	6,495	31,133		
1889	3,539	17,189	68,904	4,227	10,295	45,000		
1890	3,977	18,947	58,952	4,237	11,996	45,274		
1891	4,448	19,714	57,996	4,497	14,758	48,045		
1892	4,674	19,003	55,148	2,765	13,829	43,825		
1893	4,762	17,341	46,521	2,599	13,831	36,405		
1894	4,809	16,327	40,880	2,495	13,293	34,788		
1895	4,960	15,397	40,211	2,475	12,949	33,591		
1896	4,957	14,467	40,994	2,198	12,434	32,874		
1897	4,933	14,852	42,264	2,422	12,616	34,775		
1898	4,933	14,860	43,091	2,447	12,849	36,245		
1899	4,970	15,634	45,805	2,824	13,462	38,875		
1900	5,140	16,267	49,333	3,046	13,536	41,662		
1901	5,171	17,809	54,704	3,436	14,428	47,196		
1902	5,275	18,161	57,465	3,489	14,849	47,262		
1903	5,433	16,554	54,798	3,144	14,555	46,833		
1904	5,441	14,762	54,282	3,494	14,434	49,184		
1905	5,461	14,522	59,702	3,686	14,375	50,297		
1906	5,469	15,115	65,244	3,735	14,537	50,926		
1907	5,473	16,640	71,200	4,029	15,347	59,069		
1908	5,473	17,240	76,054	3,815	15,789	63,955		
1909	5,496	18,715	82,286	4,234	17,246	71,277		
1910	5,626	19,386	86,642	4,540	17,888	75,410		

RAILWAYS, TRAMWAYS, AND OMNIBUS SERVICES, VICTORIA - *continued*

Year (a)	Victorian Railways				Metropolitan Transit Authority (b)			
	Lines open for traffic	Kilometres run	Passenger journeys	Goods and livestock carried	Tramways		Omnibuses	
					Kilometres run	Passenger journeys	Kilometres run	Passenger journeys
	kilometres	'000	'000	'000 tonnes	'000	'000	'000	'000
1911	5,678	21,436	95,207	5,047	19,220	84,294		
1912	5,837	22,859	105,910	5,383	20,709	95,602		
1913	5,877	23,574	113,431	5,233	22,013	103,703		
1914	6,180	25,058	119,002	5,909	23,659	113,280		
1915	6,244	25,557	119,979	5,497	24,007	112,216		
1916	6,608	23,214	118,898	5,923	25,019	126,893		
1917	6,643	23,488	111,792	6,058	26,258	147,969		
1918	6,690	22,769	109,608	6,331	29,152	163,933		
1919	6,754	21,868	117,467	6,620	30,219	173,081		
1920	6,795	25,246	143,251	7,895	30,986	197,709		
1921	6,878	26,689	140,851	7,695	32,723	213,872		
1922	6,959	25,477	149,224	7,611	34,133	218,451		
1923	6,986	26,270	163,120	7,638	34,738	226,632		
1924	7,145	27,753	175,031	8,443	35,381	221,892		
1925	7,224	29,245	173,657	9,103	38,161	228,752	(e)463	(e)1,418
1926	7,456	29,398	175,354	8,869	37,099	226,900	2,334	7,164
1927	7,474	30,226	177,103	9,383	37,345	218,837	1,658	5,374
1928	7,575	31,065	172,350	8,248	38,022	215,810	1,025	4,543
1929	7,578	30,614	168,440	8,319	38,288	211,762	404	1,086
1930	7,601	30,109	164,472	7,634	36,836	197,979	819	3,743
1931	7,607	27,290	141,212	6,197	35,697	173,854	364	1,225
1932	7,609	26,183	131,922	6,297	35,274	161,918	13	5
1933	7,609	26,128	136,078	6,360	35,278	163,688	14	7
1934	7,609	26,107	137,317	5,967	35,393	166,447	16	7
1935	7,609	26,484	145,938	6,120	35,866	172,847	16	8
1936	7,609	27,915	145,818	6,542	35,784	172,992	1,065	4,315
1937	7,609	29,244	147,744	6,948	36,751	178,506	2,070	6,232
1938	7,609	30,400	144,051	7,390	37,007	175,564	2,931	9,212
1939	7,672	30,377	148,543	6,086	36,984	182,094	3,484	11,911
1940	7,670	29,021	151,280	6,302	36,630	185,282	4,781	17,874
1941	7,670	30,316	166,650	6,748	34,722	193,386	8,473	39,694
1942	7,681	30,851	189,775	7,647	35,509	233,136	12,271	61,893
1943	7,670	30,964	205,533	8,919	36,896	265,928	13,861	70,877
1944	7,670	27,697	204,083	8,427	37,015	278,451	13,718	71,632
1945	7,654	27,586	205,738	8,193	36,582	284,139	13,110	70,664
1946	7,654	27,632	205,937	7,345	36,490	281,198	12,657	70,196
1947	7,644	26,392	178,639	7,683	36,202	262,406	11,151	57,947
1948	7,617	28,580	191,105	8,575	36,297	255,804	12,674	67,154
1949	7,574	29,475	185,005	9,001	37,208	266,440	13,029	72,333
1950	7,564	29,803	190,473	9,272	29,499	203,697	10,981	59,765
1951	7,562	23,936	147,177	7,660	34,294	238,709	12,273	67,442
1952	7,574	28,823	171,830	9,352	34,839	217,685	12,228	62,619
1953	7,519	30,052	169,372	9,339	35,752	207,398	12,997	61,045
1954	7,226	31,059	172,498	9,348	35,406	204,747	12,701	59,111
1955	7,163	31,733	170,480	10,244	33,870	202,437	11,653	56,611
1956	7,154	31,535	167,901	9,761	35,813	207,914	9,429	37,209
1957	7,092	31,189	169,137	9,531	35,792	203,323	9,506	34,640
1958	7,083	30,203	169,578	9,034	33,478	195,350	9,560	34,577
1959	6,973	30,311	165,262	9,444	32,689	183,835	9,527	32,242
1960	6,904	30,020	159,865	9,843	31,762	177,868	9,392	31,286



## RAILWAYS, TRAMWAYS, AND OMNIBUS SERVICES, VICTORIA - continued

Year (a)	Victorian Railways				Metropolitan Transit Authority (b)			
	Lines open for traffic	Kilometres run	Passenger journeys	Goods and livestock carried	Tramways		Omnibuses	
	kilometres	'000	'000	'000 tonnes	Kilometres run	Passenger journeys	Kilometres run	Passenger journeys
1961	6,906	29,909	151,302	11,153	31,054	172,055	9,537	30,282
1962	9,609	30,945	154,076	10,516	30,278	167,250	11,254	31,313
1963	6,864	31,863	153,979	11,015	28,498	162,692	11,814	32,634
1964	6,775	32,918	154,640	12,327	28,284	160,479	11,721	32,426
1965	6,777	33,503	150,907	12,798	27,230	147,891	11,695	29,812
1966	6,742	32,925	150,185	12,352	26,730	140,556	10,884	25,120
1967	6,788	32,699	147,301	12,268	26,668	131,876	11,154	25,107
1968	6,775	32,391	147,157	11,294	26,522	127,575	11,805	25,576
1969	6,743	32,103	145,769	11,498	25,861	119,009	11,425	24,271
1970	6,711	33,497	144,571	12,025	24,580	110,692	11,141	22,353
1971	6,705	33,949	142,486	12,691	23,978	109,779	11,294	22,753
1972	6,700	(f)33,175	(f)137,794	(f)11,795	(f)23,759	101,962	11,190	20,471
1973	6,687	33,057	113,150	11,475	24,443	104,719	11,882	20,993
1974	6,684	33,345	114,648	11,370	23,873	109,368	11,918	22,168
1975	6,658	33,876	117,720	11,057	23,840	111,077	12,027	22,658
1976	6,653	33,818	109,669	10,803	24,235	106,126	12,681	20,821
1977	6,578	33,489	102,654	10,971	24,166	102,886	12,762	20,073
1978	6,364	32,013	97,654	11,120	24,185	101,296	12,874	19,339
1979	6,185	30,856	93,323	11,190	24,191	101,070	12,879	19,927
1980	6,184	30,795	88,911	13,453	23,547	98,889	12,739	19,872
1981	5,870	30,614	88,473	12,721	24,062	100,474	13,162	21,017
1982	5,812	31,136	(g)76,313	11,623	24,030	103,479	13,336	23,546
1983	5,815	30,166	84,323	8,570	24,201	(h)	13,311	(h)
1984	5,748	r31,205	r87,452	10,786	24,400	102,100	13,500	19,800
1985	5,748	r30,288	r90,593	11,872	24,000	109,400	13,500	22,700
1986	r5,372	r29,809	r94,263	10,512	24,000	112,400	16,000	26,000
1987	5,257	28,399	97,822	10,615	24,000	112,900	16,000	25,600
1988	5,150	27,435	94,087	10,901	23,800	115,600	17,300	26,450

(a) 1862 to 1870 and 1877 to 1884 year ended 31 December.

1871 six months ended 30 June

1872 to 1875 and 1885 to 1883 year ended 30 June.

1876 eighteen months ended 31 December.

(b) 1886 to 1915 Melbourne Tramway and Omnibus Company.

1916 to 1982 Melbourne and Metropolitan Tramways Board.

1983 Metropolitan Transit Authority.

(c) Ten months only.

(d) Nine months only.

(e) Six months only.

(f) Rounded to nearest thousand from 1972 onwards.

(g) Excluding multi-modal journeys where ticket purchased in trams or buses (from 1982 onwards).

(h) Combined total of 169,677,000



## MOTOR VEHICLES, VICTORIA

Year	New motor vehicles registered during period (a)				Motor vehicles on register at 30 June (a)				Drivers' and riders' licences in force 30 June	Net revenue collected by Road Traffic Authority
	Cars and station wagons (b)	Other (c)	Total (d)	Motor cycles	Cars and station wagons (b)	Other (c)	Total (d)	Motor cycles		
										\$'000
1924-25							70,191	19,212	100,021	828
1925-26							83,622	19,929	126,369	1,287
1926-27							111,124	23,011	164,380	1,647
1927-28							126,328	24,015	188,057	1,892
1928-29							143,844	24,554	212,228	2,185
1929-30					125,315	29,167	154,482	25,405	230,853	2,371
1930-31					116,568	28,028	144,596	23,635	228,051	2,212
1931-32					117,160	28,224	145,384	22,568	226,712	2,196
1932-33					124,609	31,554	156,163	23,439	235,613	2,371
1933-34					130,495	33,513	164,008	24,248	245,847	2,522
1934-35					140,483	37,487	177,970	24,968	260,288	2,738
1935-36					143,330	50,500	193,830	26,095	289,486	3,110
1936-37	13,292	7,948	21,240	2,923	137,885	69,025	206,910	26,663	315,826	3,394
1937-38	14,954	8,604	23,558	2,946	145,179	77,943	223,122	27,333	340,438	3,589
1938-39	15,090	6,831	21,921	2,349	153,391	81,766	235,157	26,698	358,417	3,774
1939-40	11,613	5,773	17,386	1,370	156,337	84,575	240,912	25,765	370,838	3,879
1940-41	5,529	3,304	8,833	735	148,437	84,725	233,162	23,572	365,205	3,785
1941-42	1,244	1,590	2,834	270	123,649	84,589	208,238	16,692	339,334	3,305
1942-43	852	1,153	2,005	83	131,417	85,937	217,354	16,275	329,595	2,912
1943-44	527	3,306	3,833	70	136,842	89,354	226,196	17,965	337,171	3,057
1944-45	496	2,351	2,847	86	141,249	94,110	235,359	19,820	353,584	3,214
1945-46	1,208	2,329	3,537	378	146,605	102,196	248,801	23,249	401,610	3,566
1946-47	6,136	4,643	10,779	1,683	157,461	111,263	268,724	26,203	437,924	4,026
1947-48	12,170	9,354	21,524	3,480	171,203	121,097	292,300	29,143	470,971	4,491
1948-49	18,333	11,551	29,884	5,048	189,445	130,277	319,722	31,706	487,407	4,856
1949-50	32,321	17,240	49,561	6,440	227,055	142,592	369,647	34,318	525,709	5,821
1950-51	36,692	19,432	56,124	5,442	263,714	147,049	410,763	33,637	575,753	7,024
1951-52	42,319	22,498	64,817	5,439	347,873	148,050	495,923	37,303	639,910	9,114
1952-53	26,594	11,458	38,052	2,523	376,123	130,172	506,295	33,533	645,962	9,571
1953-54	34,379	11,799	46,178	2,358	397,658	130,707	528,365	30,881	708,307	10,020
1954-55	47,528	15,907	63,435	2,363	456,024	143,930	599,954	29,193	725,826	11,280
1955-56	49,658	17,568	67,226	2,244	447,370	173,987	621,357	25,854	801,852	12,054
1956-57	43,862	14,701	58,563	1,963	473,748	177,690	651,438	24,048	831,847	14,802
1957-58	49,845	15,508	65,353	2,142	504,837	184,165	689,002	22,676	879,779	18,451
1958-59	52,926	16,736	69,662	2,280	538,113	190,036	728,149	21,816	908,343	19,333
1959-60	70,197	17,252	87,449	2,220	585,867	196,445	782,312	20,644	967,952	22,098
1960-61	67,001	14,803	81,804	1,356	625,183	201,132	826,315	18,422	1,032,431	22,538
1961-62	59,664	12,317	71,981	738	655,961	203,902	859,863	16,770	1,079,751	23,334
1962-63	77,892	14,206	92,098	656	704,906	211,558	916,464	15,079	1,112,750	25,176
1963-64	90,506	16,386	106,892	715	761,111	215,358	976,469	13,516	1,162,448	27,433
1964-65	96,268	17,486	113,754	1,000	818,331	218,957	1,037,288	12,526	1,215,435	31,928
1965-66	86,240	17,750	103,990	1,214	860,451	220,649	1,081,100	11,800	1,259,477	44,233
1966-67	87,172	17,048	104,200	1,788	901,121	222,996	1,124,117	12,431	1,313,291	46,357
1967-68	99,136	16,673	115,809	3,019	954,461	223,689	1,178,150	15,386	1,371,673	50,402
1968-69	101,677	18,634	120,311	3,457	1,008,506	227,605	1,236,111	18,527	1,435,797	57,782
1969-70	110,797	20,058	130,855	4,689	1,067,919	232,255	1,300,174	21,342	1,502,074	61,356



MOTOR VEHICLES, VICTORIA - *continued*

Year	New motor vehicles registered during period (a)				Motor vehicles on register at 30 June (a)				Drivers' and riders' licences in force 30 June	Net revenue collected by Road Traffic Authority
	Cars and station wagons (b)	Other (c)	Total (d)	Motor cycles	Cars and station wagons (b)	Other (c)	Total (d)	Motor cycles		
										\$'000
1970-71	109,829	18,703	128,532	8,218	1,122,460	235,739	1,358,199	28,912	1,566,396	66,480
1971-72	107,937	19,384	127,321	11,091	1,170,100	239,600	1,409,700	35,700	1,634,118	73,581
1972-73	110,660	21,754	132,414	11,778	1,231,100	250,500	1,481,600	42,200	1,711,808	80,116
1973-74	121,546	23,290	144,836	11,637	1,307,000	264,600	1,571,600	48,800	1,856,910	90,708
1974-75	133,163	26,073	159,236	8,770	1,382,700	280,600	1,663,300	52,600	1,885,874	115,378
1975-76	120,168	26,911	147,159	8,450	1,445,800	286,900	1,732,700	52,000	1,957,056	145,401
1976-77	117,794	28,551	146,345	7,645	1,479,200	298,900	1,778,100	51,100	2,032,520	172,382
1977-78	115,368	28,248	143,616	6,469	1,544,900	318,300	1,863,200	52,300	2,016,063	204,107
1978-79	122,961	24,258	147,219	7,148	1,591,500	328,200	1,919,700	54,300	2,072,172	218,683
1979-80	115,567	22,021	137,588	10,884	1,580,100	326,200	1,906,300	54,000	2,120,469	223,871
1980-81	114,699	23,921	138,620	14,450	1,632,500	339,200	1,971,700	64,200	2,181,714	235,035
1981-82	121,960	27,517	149,477	15,731	1,731,200	366,400	2,097,500	74,300	2,255,439	270,704
1982-83	123,834	26,686	150,520	13,153	1,796,500	381,600	2,178,100	79,600	2,318,698	263,420
1983-84	126,652	26,650	153,302	10,067	1,859,700	400,400	2,260,100	81,700	2,369,622	312,649
1984-85	143,279	29,562	172,841	9,878	1,936,800	417,400	2,354,300	83,400	2,472,792	304,587
1985-86	132,003	26,558	158,561	8,079	1,972,900	422,200	2,395,000	81,800	2,588,163	310,520
1986-87	107,862	20,411	128,273	5,294	2,010,200	434,700	2,444,900	84,500	2,590,358	324,170
1987-88	103,907	18,254	122,161	3,847	2,064,700	440,400	2,505,100	70,100	2,696,706	330,704
1988-89	119,216	22,278	141,494	4,219	2,076,200	440,900	2,517,100	68,100	2,791,312	309,610

(a) From 1924 to 1982 the data source was the Motor Registration Branch. The Road Traffic Authority has provided this information since 1982.

(b) Excludes defence service vehicles.

(c) Includes ambulances and hearses until 1970-71 inclusive.

(d) Includes utilities, panel vans, trucks, truck-type vehicles, omnibuses, and from 1971-72 onwards, ambulances and hearses.

(e) Excludes motor cycles, tractors, trailers, plant and equipment, and caravans.

## ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, VICTORIA

Year (a)	Accidents involving casualties	Persons killed	Persons injured	Rate per -					
				10,000 vehicles registered			100,000 mean population		
				Accidents involving casualties	Persons killed	Persons injured	Accidents involving casualties	Persons killed	Persons injured
1924		224	3,534					13.6	215.2
1925		301	2,688	278.6	31.2		18.0		160.8
1926		351	3,513	29.5		295.6		20.7	207.0
1927		331	3,658		23.3	257.2	19.2	211.7	
1928		349	3,714		21.9	233.0		19.9	212.0
1929		344	4,221		19.8	242.4		19.4	238.5
1930		350	4,085		20.1	234.7		19.6	228.7
1931		333	4,042		19.8	240.5		18.5	224.7
1932		311	4,090		17.9	235.4		17.2	226.1
1933		316	5,082		17.2	276.3		17.4	279.2
1934		349	6,812		17.8	348.3		19.1	372.2
1935		382	6,765		18.1	320.0		20.8	368.0
1936		404	7,375		17.8	325.3		21.9	399.5
1937	6,400	427	7,278	264.5	17.6	300.7	345.2	23.0	392.6
1938	6,638	433	7,523	259.1	16.9	293.7	355.9	23.2	403.3
1939	7,098	480	8,074	268.6	18.2	305.5	377.8	25.6	429.7
1940	7,561	515	8,723	283.5	19.3	327.1	400.7	27.3	462.3

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, VICTORIA - *continued*

Year (a)	Rate per -								
	Accidents involving casualties	Persons killed	Persons injured	10,000 vehicles registered			100,000 mean population		
				Accidents involving casualties	Persons killed	Persons injured	Accidents involving casualties	Persons killed	Persons injured
1941	6,548	412	7,610	255.0	16.0	296.4	341.6	21.5	397.0
1942	5,240	396	5,836	233.0	17.6	259.5	268.9	20.3	299.5
1943	4,166	347	4,749	178.3	14.9	203.3	212.0	17.7	241.6
1944	3,764	266	4,219	154.2	10.9	172.8	189.9	13.4	212.9
1945	3,827	260	4,368	150.0	10.2	171.2	191.5	13.0	218.6
1946	5,285	336	6,202	194.3	12.4	228.0	262.3	16.7	307.8
1947	6,522	386	7,810	221.1	13.1	264.8	319.8	18.9	383.0
1948	6,252	362	7,210	194.5	11.3	224.3	302.0	17.5	348.3
1949	6,940	426	8,225	197.5	12.1	234.0	328.0	20.1	388.7
1950	8,618	501	10,538	213.3	12.4	260.9	396.3	23.0	484.5
1951	9,274	581	11,364	208.7	13.1	255.7	413.5	25.9	506.7
1952	10,111	603	12,531	189.6	11.3	235.0	437.8	26.1	542.5
1953	10,098	515	12,564	187.1	9.5	232.7	425.7	21.7	529.6
1954	10,537	569	13,351	188.4	10.2	238.7	434.9	23.5	551.1
1955	10,217	528	12,833	162.4	8.4	204.0	411.1	21.3	516.4
1956	10,606	582	13,483	163.9	9.0	208.3	414.9	22.8	527.5
1957	10,804	589	14,120	159.9	8.7	209.0	411.5	22.4	537.8
1958	11,233	571	15,015	157.8	8.0	211.0	418.0	21.3	558.8
1959	12,462	661	16,784	166.2	8.8	223.8	453.2	24.0	610.3
1960	12,267	698	16,595	152.8	8.7	206.7	435.1	24.8	588.6
1961	12,140	773	16,757	143.7	9.2	198.4	419.6	26.7	579.1
1962	11,639	818	16,074	132.8	9.3	183.4	393.6	27.7	543.6
1963	12,330	803	17,149	132.4	8.6	184.1	409.4	26.7	569.4
1964	13,067	838	18,401	132.0	8.5	185.9	425.2	27.3	598.7
1965	14,432	907	20,482	137.5	8.6	195.1	460.2	28.9	653.1
1966	14,110	933	20,277	129.1	8.5	185.5	441.8	29.2	634.8
1967	14,077	963	19,994	123.9	8.5	175.9	433.2	29.6	615.3
1968	15,113	868	21,932	126.6	7.3	183.8	457.9	26.3	664.5
1969	15,622	964	22,498	124.5	7.7	179.3	465.8	28.7	670.9
1970	17,030	1,065	24,502	128.9	8.1	185.4	498.5	31.2	717.2
1971	15,327	996	22,067	110.5	7.2	159.1	441.0	28.7	634.9
1972	14,988	884	21,090	102.3	6.3	143.1	410.7	25.5	574.6
1973	14,611	949	20,312	95.0	6.1	131.2	399.3	25.8	551.7
1974	13,452	877	18,634	77.2	5.0	108.1	340.8	21.9	477.1
1975	12,625	910	17,586	73.7	5.3	102.7	339.5	24.5	472.9
1976	12,680	938	17,653	72.1	5.3	100.4	332.7	24.6	463.2
1977	14,803	954	19,874	80.9	5.2	108.6	385.7	24.9	517.8
1978	14,957	869	20,377	78.4	4.6	106.8	387.0	22.5	527.2
1979	14,648	847	19,690	74.7	4.3	100.4	376.9	21.8	506.8
1980	14,988	657	19,957	76.4	3.3	101.7	382.9	16.8	509.9
1981	15,619	766	20,680	76.7	3.8	101.6	395.4	19.4	523.7
1982	15,380	709	20,293	68.4	3.2	90.2	385.2	17.8	508.2
1983	15,225	664	20,008	67.4	2.9	88.6	377.1	16.4	495.5
1984	16,001	657	21,311	68.3	2.8	91.0	392.4	16.1	522.5
1985	15,744	683	22,452	68.8	2.8	92.2	407.0	16.6	544.8
1986	17,291	668	23,274	69.8	2.7	94.0	415.2	16.0	558.9
1987	19,531	705	25,723	77.2	2.8	101.7	464.1	16.8	611.1

(a) 1924 to 1939 and 1975 to 1980 year ended 31 December.

1940 to 1974, 1981 to 1987 year ended 30 June.



## INTERSTATE AND OVERSEAS SHIPPING, VICTORIA

Year (a)	Shipping entered		Shipping cleared		Year	Shipping entered		Shipping cleared	
	Vessels	Net tonnes	Vessels	Net tonnes		Vessels	Net tonnes	Vessels	Net tonnes
1837	140	12,959	140	13,639	1885	2,154	1,657,448	2,119	1,655,036
1838	137	11,905	136	11,866	1886	2,307	1,877,719	2,324	1,177,529
1839			189	20,679	1887	2,435	1,950,999	2,418	1,969,169
1840	262	44,113	232	34,885	1888	2,724	2,217,093	2,630	1,159,931
					1889	2,855	2,307,274	2,886	2,365,721
					1890	2,474	2,213,517	2,459	2,219,856
1841	272	53,343	228	34,704					
1842	237	44,462	225	34,815	1891	2,531	2,376,403	2,560	2,414,384
1843	238	44,305	230	28,045	1892	2,255	2,260,358	2,266	2,267,419
1844	229	30,447	247	35,151	1893	1,889	2,041,434	1,887	2,052,981
1845	273	31,840	291	31,613	1894	2,083	2,198,444	2,045	2,161,893
1846	349	41,220	340	36,290	1895	1,948	2,216,553	1,889	2,201,930
1847	423	48,654	425	49,415	1896	1,882	2,313,015	1,900	2,326,503
1848	469	68,703	446	55,978	1897	1,888	2,476,307	1,882	2,467,154
1849	484	98,560	460	84,240	1898	2,008	2,512,433	2,043	2,523,860
1850	555	109,764	508	88,485	1899	2,024	2,705,530	2,031	2,721,656
					1900	1,928	2,948,190	1,935	2,959,445
1851	712	131,503	658	112,787					
1852	1,657	414,768	1,475	355,918	1901	2,418	3,446,671	2,347	3,376,603
1853	2,594	733,053	2,268	675,538	1902	2,278	3,420,517	2,286	2,426,685
1854	2,596	807,357	2,607	811,658	1903	2,204	3,464,007	2,263	3,503,915
1855	1,907	560,581	1,995	590,891	1904	2,495	3,991,907	2,503	3,969,394
1856	1,920	547,254	1,959	547,003	1904	2,376	4,053,941	2,274	3,921,037
1857	2,190	705,712	2,207	695,513	1906	2,163	4,102,148	2,160	4,106,264
1858	2,034	658,505	2,015	651,546	1907	2,219	4,271,082	2,216	4,259,647
1859	2,026	644,309	2,056	672,135	1908	2,293	4,560,813	2,290	4,544,082
1860	1,814	590,977	1,841	608,753	1909	2,174	4,579,310	2,157	4,586,752
					1910	2,308	5,031,757	2,310	5,034,297
1861	1,778	558,010	1,820	549,487					
1862	1,715	565,115	1,766	591,231	1911	2,335	5,222,684	2,347	5,239,721
1863	1,739	634,077	1,782	627,972	1912	2,399	5,513,236	2,385	5,497,644
1864	1,816	630,154	1,896	651,912	1913	2,481	6,045,533	2,469	5,997,009
1865	1,743	590,298	1,823	608,971	1914	1,281	3,201,258	1,297	3,259,895
1866	2,078	660,411	2,203	686,587	1914-15	2,324	5,374,969	2,329	5,394,024
1867	1,847	602,756	1,955	626,929	1915-16	2,392	5,014,338	2,385	4,980,926
1868	2,067	663,848	2,172	696,205	1916-17	1,962	4,107,706	1,967	4,115,099
1869	2,320	732,850	2,334	742,693	1917-18	1,721	2,917,428	1,724	2,919,894
1870	2,039	674,417	2,187	692,030	1918-19	1,730	2,917,053	1,709	2,861,134
					1919-20	1,792	4,051,258	1,809	4,085,728
1871	2,137	673,643	2,257	703,130					
1872	2,104	677,031	2,234	705,572	1920-21	2,246	4,737,969	2,248	4,726,480
1873	2,187	768,238	2,226	775,157	1921-22	2,442	5,594,500	2,436	5,606,963
1874	2,100	789,583	2,122	805,229	1922-23	2,634	6,717,464	2,634	6,725,202
1875	2,171	853,874	2,223	846,877	1923-24	2,666	6,891,354	2,676	6,858,208
1876	2,086	823,063	2,150	860,621	1924-25	2,577	6,916,615	2,605	6,986,720
1877	2,192	954,743	2,219	950,336	1925-26	2,470	6,589,654	2,447	7,107,045
1878	2,119	967,026	2,173	977,112	1926-27	2,667	7,302,501	2,666	7,295,999
1879	2,084	978,545	2,083	992,818	1927-28	2,589	6,954,668	2,608	6,979,565
1880	2,076	1,096,201	2,115	1,118,685	1928-29	2,474	6,907,201	2,466	6,924,691
					1929-30	2,499	7,021,970	2,488	6,987,801
1881	2,125	1,238,800	2,123	1,211,813					
1882	2,089	1,370,746	2,079	1,363,327	1930-31	2,166	6,260,594	2,181	6,338,450
1883	2,023	1,488,261	2,064	1,523,647	1931-32	2,097	6,092,331	2,101	6,115,264
1884	1,986	1,594,347	1,989	1,607,823	1932-33	2,343	6,796,268	2,296	6,781,258



INTERSTATE AND OVERSEAS SHIPPING, VICTORIA - *continued*

Year (a)	Shipping entered		Shipping cleared		Cargo			
	Vessels	Net tonnes	Vessels	Net tonnes	Shipped		Discharged	
		'000		'000	'000 tonnes weight	'000 tonnes measurement	'000 tonnes weight	'000 tonnes measurement
1933-34	2,393	6,900	2,359	6,884	1,376	435	2,515	673
1934-35	2,603	7,555	2,585	7,526	1,558	458	3,013	755
1935-36	2,719	8,067	2,711	8,035	1,752	481	3,375	821
1936-37	2,848	8,229	2,849	8,200	2,032	518	3,610	886
1937-38	3,019	8,675	2,991	8,658	2,137	712	3,922	1,094
1938-39	2,979	8,674	2,989	8,616	1,480	596	3,808	974
1939-40	2,658	7,138	2,672	7,206	1,329	844	3,122	1,682
1940-41	2,465	5,680	2,473	5,658	1,278	1,037	3,380	1,514
1941-42	2,154	4,523	2,139	4,531	1,174	993	3,766	1,367
1942-43	1,681	3,335	1,678	3,313	1,044	940	3,296	1,010
1943-44	1,494	3,049	1,499	3,034	1,099	873	3,013	998
1944-45	1,412	3,047	1,444	3,147	1,051	1,119	3,475	817
1945-46	1,442	3,542	1,434	3,538	899	820	3,392	716
1946-47	1,679	4,922	1,659	4,881	1,178	843	3,449	786
1947-48	1,846	5,770	1,825	5,698	1,544	714	3,907	870
1948-49	2,068	7,168	2,709	7,205	1,388	851	4,083	1,267
1949-50	2,315	8,439	2,314	8,435	1,532	797	4,539	1,752
1950-51	2,287	8,666	2,316	8,737	1,726	744	5,050	1,924
1951-52	2,316	8,889	2,328	8,982	1,508	758	5,305	2,229
1952-53	2,448	8,764	2,437	8,727	1,443	870	4,825	927
1953-54	2,546	9,158	2,541	9,155	1,339	1,037	5,169	1,457
1954-55	2,718	10,111	2,719	10,109	2,181	1,108	6,259	1,857
1955-56	2,757	10,707	2,755	10,641	2,593	1,044	7,365	1,897
1956-57	2,698	10,035	2,699	9,993	2,673	1,022	7,190	1,423
1957-58	2,830	10,542	2,801	10,440	2,503	1,027	7,432	1,553
1958-59	2,899	11,156	2,899	11,138	2,774	1,030	7,787	1,499
1959-60	2,983	11,882	2,987	11,889	2,920	1,211	8,038	1,947
1960-61	3,054	12,993	3,060	13,070	3,662	1,182	8,129	2,505
1961-62	3,210	13,743	3,198	13,624	4,340	1,164	8,191	1,691
1962-63	3,177	13,806	3,189	13,804	4,862	1,096	9,602	1,904
1963-64	3,360	14,850			5,106	1,421	9,460	2,152
1964-65	3,316	15,342			4,132	1,545	9,892	2,497
1965-66	3,418	15,361			3,803	1,563	9,614	2,498
1966-67	3,332	15,974	3,331	15,929	4,319	1,575	11,178	2,529
1967-68	3,226	15,813	3,225	15,812	3,509	1,699	11,114	2,812
1968-69	3,317	16,587	3,295	16,448	3,442	1,734	11,465	3,129
1969-70	3,364	18,669	3,352	18,615	5,628	2,105	11,357	3,414
1970-71	3,323	19,263	3,334	19,364	11,664	2,354	7,778	3,435
1971-72	3,618	21,676	3,606	21,534	14,721	2,334	7,202	3,716
1972-73	3,540	20,825	3,507	20,775	12,153	2,715	6,075	4,189
1973-74	3,449	21,088	3,450	21,264	15,406	2,621	7,228	5,016
1974-75	3,435	20,692	3,470	21,038	15,257	2,396	5,978	4,969
1975-76	3,203	20,265	3,212	20,437	15,893	1,870	5,421	4,517
1976-77	3,311	21,411	3,294	21,245	17,600	905	6,421	3,898
1977-78	2,723	19,080	2,749	19,361	17,909	1,255	5,277	2,530
1978-79(b)	1,551	13,633	1,566	13,485	5,970	579	2,972	2,239

(a) 1837 to 1913 figures are for the year ended 31 December.

1914 figures are for the six months ended 30 June.

1914-15 to 1981-82 figures are for the year ended 30 June.

(b) Figures on the above basis not available after 1978-79.



## ESSENDON AND MELBOURNE AIRPORTS, VICTORIA

Year	Domestic aircraft (a)				International aircraft (b)			
	Number of movements	Passengers		Freight handled tonnes	Number of movements	Passengers		Freight handled tonnes
		Embarked	Disembarked			Embarked	Disembarked	
1960	37,436	579,985	590,623	29,310	931	9,294	11,514	364
1961	37,599	571,063	574,661	23,672	896	10,589	11,072	281
1962	36,354	584,471	589,395	22,467	834	10,607	12,438	283
1963	39,928	632,768	644,669	22,649	844	13,059	15,772	359
1964	46,418	743,352	753,155	25,739	1,085	17,768	20,161	447
1965	47,938	856,536	849,203	34,965	1,201	19,866	23,440	500
1966	48,243	890,043	896,483	36,850	1,120	20,425	22,359	436
1967	50,312	981,729	990,201	39,459	1,036	22,353	26,092	576
1968	50,066	1,075,898	1,069,415	40,360	1,018	23,643	25,634	688
1969	54,192	1,201,469	1,229,748	47,140	1,021	27,252	28,812	687
1970	59,050	1,343,510	1,358,451	49,272	2,165	51,035	49,438	1,862
1971	58,064	1,401,134	1,410,682	48,318	4,309	89,962	95,132	4,063
1972	59,985	1,475,295	1,475,621	47,466	5,758	135,303	144,932	5,144
1973	67,517	1,798,331	1,783,826	56,509	6,127	193,375	214,357	9,075
1974	72,037	1,994,115	1,996,732	61,187	6,390	222,738	242,759	10,732
1975	71,946	2,068,415	2,068,923	55,366	7,278	268,607	283,019	12,277
1976	68,473	2,065,897	2,063,022	60,114	7,528	318,345	335,184	15,317
1977	68,558	2,144,619	2,146,831	59,013	8,578	332,207	353,012	15,175
1978	72,308	2,335,629	2,331,760	62,919	9,485	355,064	384,207	20,112
1979	70,065	2,451,235	2,457,658	72,680	9,131	435,224	457,986	24,383
1980	72,024	2,584,254	2,589,151	69,763	9,907	468,359	503,017	28,418
1981	66,499	2,518,313	2,519,984	74,377	9,719	458,348	497,436	35,189
1982	61,102	2,414,298	2,416,548	72,678	10,710	462,458	505,544	40,734
1983	57,497	2,210,982	2,223,002	84,654	9,481	450,591	468,780	42,836
1984	57,437	2,322,043	2,324,453	90,763	10,575	513,324	560,217	54,547
1985	61,839	2,531,009	2,529,276	101,072	11,359	561,697	594,984	65,434
1986	64,788	2,623,446	2,615,621	92,094	12,691	611,950	649,970	70,495
1987	67,866	2,784,819	2,784,707	88,977	13,630	662,728	737,945	80,102
1988	70,047	3,021,621	3,012,164	96,883	13,864	731,332	794,036	82,297

(a) Domestic aircraft movements commenced at Melbourne Airport on 20 June 1971

(b) International aircraft movements commenced at Melbourne Airport on 1 July 1970.

## COMMUNICATIONS

## VICTORIAN POST OFFICE

Postage			Postage			Postage			Number of telephone subscribers (b)
Year	Number of letters	Number of news-papers	Year	Number of letters (a)	Number of news-papers	Year	Number of letters (a)	Number of news-papers	
	'000	'000		'000	'000		'000	'000	
1837	1	1	1859	6,649	5,051	1881	26,308	11,441	
1838	7	3	1860	8,116	5,683	1882	28,878	12,384	
1839	16	23				1883	30,962	13,982	
1840	32	70	1861	6,110	4,277	1884	33,404	15,143	
			1862	6,277	4,909	1885	36,062	16,277	
1841	57	120	1863	6,636	4,931	1886	38,392	17,482	
1842	97	147	1864	6,790	5,672	1887	41,288	18,869	1,121
1843	129	155	1865	7,486	6,038	1888	47,701	21,703	1,637
1844	117	134	1866	8,631	5,438	1889	48,097	20,663	1,988
1845	127	151	1867	9,568	4,908	1890	62,526	22,729	2,307
1846	139	205	1868	9,750	4,974				
1847	178	250	1869	10,583	5,251	1891			2,439
1848	210	310	1870	11,133	5,287	1892			2,414
1849	262	323				1893			2,308
1850	382	381	1871	11,716	5,173	1894			2,398
			1872	12,941	5,491	1895			2,609
1851	504	457	1873	14,475	6,080	1896			2,754
1852	972	710	1874	15,739	6,867	1897			3,088
1853	2,039	1,619	1875	17,134	7,553	1898			3,630
1854	2,674	2,395	1876	18,964	9,010	1899			4,407
1855	2,991	2,350	1877	20,911	9,809	1900	74,291	25,466	5,136
1856	3,221	2,906	1878	22,325	10,697				
1857	3,900	2,982	1879	23,216	10,075				
1858	5,026	4,265	1880	24,195	10,641				

## POSTMASTER-GENERAL'S DEPARTMENT, VICTORIA

Year	Telephone services in operations (lines connected) (c)	Letters, etc., posted in Victoria and received from overseas (d)	Year	Telephone services in operation (lines connected) (c)	Letters, etc., posted in Victoria and received from overseas (d)
		'000			'000
1901	6,049	123,807	1913	30,640	224,748
1902	6,847	137,711	1914	34,071	221,732
1903	7,610	143,412	1915-16	36,372	219,296
1904	8,429	149,746	1916-17	38,025	230,950
1905	9,269	155,708	1917-18	40,754	219,847
1906	10,423	162,337	1918-19	44,035	211,097
1907	12,885	170,351	1919-20	49,017	213,121
1908	14,993	178,421			
1909	17,108	168,830	1920-21	52,791	197,137
1910	20,343	181,145	1921-22	55,986	211,279
			1922-23	61,412	227,012
1911	23,504	195,747	1923-24	71,362	247,457
1912	27,652	211,021			



POSTMASTER-GENERAL'S DEPARTMENT, VICTORIA - *continued*

Year	Telephone services in operation (lines connected) (c)	Letters, etc., posted in Victoria and received from overseas (d)	Licences in force (e) -		Combined broadcast and television receiver (f)
			Broadcast receiver	Television receiver	
			'000		
1924-25	83,640	265,567	19,243		
1925-26	93,215	277,449	63,494		
1926-27	101,891	293,123	113,612		
1927-28	108,678		137,503		
1928-29	114,603		142,534		
1929-30	118,074		139,887		
1930-31	113,282				
1931-32	110,213	253,746	139,323		
1932-33	110,386	252,462	170,995		
1933-34	113,983	275,765	206,995		
1934-35	121,631	281,946	236,886		
1935-36	128,313	275,835	263,414		
1936-37	135,751	271,983	288,717		
1937-38	143,657	289,748	315,406		
1938-39	150,570	295,450	327,579		
1939-40	157,081	291,328	348,158		
1940-41	164,051	291,252	362,790		
1941-42	167,909	306,212	371,502		
1942-43	170,780	304,406	390,950		
1943-44	175,526	307,350	419,325		
1944-45	181,685	319,549	412,317		
1945-46	190,507	321,213	415,785		
1946-47	202,769	331,509	499,944		
1947-48	214,997	327,250	505,106		
1948-49	228,635	369,762	531,722		
1949-50	245,899	404,204	557,556		
1950-51	272,646	437,229	586,393		
1951-52	297,415	421,575	520,364		
1952-53	319,107	423,312	533,329		
1953-54	340,756	460,644	545,148		
1954-55	366,648	465,998	549,690		
1955-56	395,307	485,795	554,339		
1956-57	416,881	504,362	554,909	44,986	
1957-58	442,767	545,180	557,960	147,721	
1958-59	468,827	572,835	605,340	270,073	
1959-60	487,853	570,102	606,587	353,091	
1960-61	508,567	608,758	589,437	401,395	
1961-62	536,229		585,752	460,558	
1962-63	568,946	676,607	607,036	530,256	
1963-64	601,714	726,113	622,663	581,286	
1964-65	631,950	728,800	512,205	488,583	132,413
1965-66	660,974	778,531	141,630	87,649	574,955
1966-67	693,134	817,329	114,778	92,822	598,035
1967-68	727,575	790,280	94,982	96,789	629,729
1968-69	770,162	792,431	80,833	99,266	647,814
1969-70	824,227	754,282	72,051	107,362	675,457
1970-71	864,044	837,861	64,298	115,613	690,464
1971-72	896,615	813,794	58,390	111,921	699,652
1972-73	948,344	837,618	53,588	114,721	722,583
1973-74	1,011,355	837,678	(g)48,870	(g)103,451	(g)732,832

POSTMASTER-GENERAL'S DEPARTMENT, VICTORIA - *continued*

Year	Telephone services in operation (lines connected) (c)	Letters, etc., posted in Victoria and received from overseas (d)	Licences in force (e) -		Combined broadcast and television receiver (f)
			Broadcast receiver	Television receiver	
			'000		
1974-75	1,061,965	803,289			
1975-76(h)	1,105,248	697,949			
1976-77	1,158,306	703,148			
1977-78	1,221,067	650,522			
1978-79	1,290,505	698,085			
1979-80(i)	1,355,017	744,309			
1980-81(j)	1,424,109	780,997			
1981-82	1,484,497	800,936			
1982-83	1,536,438	820,919			
1983-84	1,593,091	838,215			
1984-85	1,670,852	884,575			
1985-86	1,739,921	914,230			
1986-87	1,839,000	970,168			
1987-88	1,919,000	1,042,035			
1988-89	1,950,000	1,126,082			

(a) Postcards were first issued in April 1876 and are included with letters.

(b) Previously worked as a private undertaking, the telephone system was taken over by the Post Office on 22 September 1887.

(c) 1901 to 1914 at 31 December.

(d) Includes postcards, newspapers, and packets. From 1949-50 registered articles and parcels are also included.

(e) Includes hirers' licences which were available for any period not exceeding twelve months. In the majority of instances they were taken out for short terms, usually on a monthly basis.

(f) Introduced on 1 April 1965.

(g) All licences for broadcast and television receivers were abolished in September 1974.

(h) From 1 July 1975, all postal services and most of the services provided by telecommunication ceased to operate as the Postmaster-Generals's Department and were embodied in two separate Commissions - the Australian Postal Commission (Australia Post) and the Australian Telecommunications Commission (Telecom).

(i) Number of services in operation at 18 June 1980.

(j) Number of services in operation at 17 June 1981.



# INDEX

## A

Adoptions	87	LIVESTOCK AND LIVESTOCK PRODUCTS	
<b>Agriculture</b>		Apiculture	122
AGRICULTURAL COMMODITIES		beehives, honey, and beeswax,	
Barley	111	Table 6.39	127
barley for grain, Table 6.9	113	lambling	121
barley production, seasons 1967-68 to		lambling, Table 6.28	123
1987-88 (graph)	111	livestock	
Field crops	109	numbers, Table 6.25	122
Grain legumes	112	slaughtered, Table 6.26	122
hay production, Table 6.12	114	meat cattle	121
Maize	111	distribution of, Table 6.32	124
Oats	111	milk cattle	121
oats for grain, Table 6.8	112	distribution of, Table 6.33	125
oat production, seasons 1967-68 to		milk production, Table 6.34	126
1987-88 (graph)	110	mutton and lamb production	121
Oil seeds	112	pigs	121
oilseeds production, Table 6.13	114	pigs and pig keepers Table 6.35	126
silage made, and farm stocks of silage		Poultry	121
and hay, Table 6.11	113	slaughtered, dressed weight, fresh and	
Wheat	109	frozen, Table 6.37	126
wheat for grain, Table 6.7	112	slaughtered for human consumption,	
wheat production, seasons 1967-68 to		Table 6.36	126
1987-88 (graph)	110	sheep	
AGRICULTURAL ESTABLISHMENTS		and lambs by statistical division,	
number of, with agricultural activity,		Table 6.27	123
area, and land utilisation,		breeds	120
Table 6.5	107	numbers (graph)	120
number of, with agricultural activity,		sheep shorn and wool clipped,	
classified by EVAO and main activity		Table 6.29	123
of establishment, by statistical		sheep shorn and wool clipped by	
division, Table 6.6	107	statistical division, Table 6.30	124
FRUIT		slaughtered, gross value of	106
Area planted	115	total wool production, Table 6.31	124
citrus trees by statistical division,		OTHER INTENSIVE CROPS	
Table 6.17	117	hops	117
nut production, Table 6.20	118	hop production, Table 6.24	120
nuts	116	plant nurseries	117
orchard fruit production, Table 6.18	118	tobacco	116
orchard fruit trees (excluding citrus) by		tobacco production, Table 6.24	120
statistical division, Table 6.16	117	vegetables	116
Small fruit	116	vegetables for human consumption,	
small fruit production, Table 6.19	118	Table 6.22	119
Tree fruit	115	Scope of the Agricultural Census	104
viticulture, area and production,		Value of commodities produced,	
Table 6.21	119	Table 6.3	106
		Victoria compared with Australia	104

Ancestry	21	Community Services Victoria - see Social Welfare	85
Award rates of pay - see Labour	58	<b>Construction</b>	
<b>B</b>		BUILDING	
Births - see Population, Vital Statistics	19	activity commenced	
Bridges and roads - see Transport	190	classified by material of outer walls,	
Building - see Construction	173	Table 10.9	182
Building societies, permanent -		activity completed	
see Finance, Non-bank	169	classified by type, Table 10.7	182
		residential buildings by ownership,	
		Table 10.8	182
<b>C</b>		allocation of Commonwealth funds,	
Citizenship, Australian - see		Table 10.13	185
Demography	20	approved by type of lender,	
<b>Commerce</b>		Table 10.12	184
EXTERNAL TRADE		by region	179
exports	154	commenced 1983-88 (graph)	183
imports	154	commencements by statistical regions of	
imports and exports		Melbourne Statistical Division,	
classified by division, Table 8.10	154	Table 10.11	184
countries of origin and consignment,		Commonwealth-State Housing	
Table 8.11	157	Agreement	184
overseas trade, recorded values, imports		Engineering Construction	186
and exports, Victoria, Table 8.9	154	Engineering construction by type and	
HOUSEHOLD EXPENDITURE		value, Table 10.16	186
by commodity and service items, weekly		Home purchase assistance	185
(graph)	153	Home purchase assistance performance	
by regions, Table 8.8	152	indicators, 1987-88, Table 10.14	185
Survey, 1988-89	152	House commencements	175
PRICE INDEXES		Housing loans	175
Consumer Price Index	149	Industry activity	173
all groups, eight capital cities,		Material of outer walls	179
Table 8.5	150	Non-residential building	173
Melbourne, Table 8.4	150	number of commencements,	
Materials used in building, Table 8.7	151	Table 10.10	183
Retail price index numbers, Australia		Public housing	184
long term linked series, Table 8.6	151	Public rental housing performance	
RETAILING		indicators, 1987-88 Table 10.15	186
establishments		Rental housing assistance	185
retail industries	147	Residential building	174
operations by industry group,		Value of Building Activity Completed -	
Table 8.1	147	Summary, Table 10.6	181
operations by industry group,		Consumer Price Index - see Commerce,	
percentage of Australian totals,		Price Indexes	149
Table 8.2	147	<b>Crime and justice</b>	
Survey of	148	Major crime	89
turnover 1986-87 to 1988-89		Offenders on community based correction	
(graph)	148	programs, Table 4.21	92
turnover, value of, Table 8.3	148	Prison capacities and prisoner numbers,	
Victoria compared with Australia	146	Table 4.20	90
Commonwealth-State housing agreement -		Prisoners and offenders	89
see Construction	184	Sentenced and unsentenced prisoners,	
<b>Communications</b>		Table 4.19	90
Postal articles handled by Australia Post,		Summary of major crime, Table 4.18	90
Table 11.16	196	Uniform Crime Statistics	89
Telephone services, Table 11.15	196		



**D**

Death, Causes of -	82
Deaths - see Demography	19
Divorces - see Demography	19

**E****Education**

HIGHER EDUCATION	
number of students by level of course, and type of enrolment Victoria	
Table 4.3	76
commencing students, level of course, and type of enrolment Victoria	
Table 4.4	77
higher education	72
tafe	
number of enrolments in vocational courses	
by field of study, Table 4.6	78
number of students enrolled by major stream group and by sex,	
Table 4.5	78
SCHOOLS	
government	72
non-government	72
students, and teaching staff,	
Table 4.1	72
teaching staff	72
Tertiary education	72

**Health**

CAUSES OF DEATH	
in age groups, Table 4.14	83
numbers and rates, Table 4.13	82
Hospitals	78
Medicare	78
number and cost of services processed,	
Table 4.7	79
PUBLIC HOSPITALS	
number of, Table 4.19	80
separations	
principal diagnoses by number of separations, average stay, and sex,	
Table 4.12	81
separations by age group and length of stay, Table 4.11	80
separations by age group and sex of inpatients, Table 4.10	80

Electricity - see Energy	143
Employees - see Labour	48

**Energy**

Electricity generated	143
Petroleum marketed	144
Power stations, locations, rating, and production, Table 7.25	144
Principal petroleum products marketed, Table 7.27	145

Refining capacity, Table 7.26	144
Exports and imports - see Commerce	154
External trade - see Commerce	154

**F****Finance**

Banking Finance - see note	172
Credit co-operatives selected statistics, Victoria and Australia, Table 9.8	171
stock exchange indices, Australian, Table 9.9	171
NON-BANK FINANCE	
Permanent building societies	169
assets, Table 9.7	171
expenditure, Table 9.7	170
income, Table 9.7	170
liabilities, Table 9.7	170
PUBLIC FINANCE	
Commonwealth Government payments to Victoria	166
Commonwealth grants to State and Local Government Authorities, Table 9.5	166
expenditure on new fixed assets classified by government purpose, Victoria, Table 9.3	163
general government final consumption expenditure classified by government purpose, Victoria, Table 9.2	162
Local Government	
ordinary services revenue, loan receipts and outlay, Table 9.6	168
outlays	160
payroll tax	164
public finance	160
revenue	160
summary of transactions classified by economic transactions framework, Victoria, Table 9.1	161
taxes, fees, and fines by type, Victoria, Table 9.4	164

**G**

Gas and oil - see Mining	140
<b>Geography and climate</b>	
Area of States and Territories, Table 1.1	9
Australian Standard Geographical Classification	10
Average annual rainfall, Figure 2	13
Coastline	9
Height of selected mountains, Table 1.2	10
Means of climatic elements, Melbourne, Table 1.3	12
Physical divisions	10
Position and area, Victoria	9
Rainfall	12

Rainfall in districts, Table 1.4	14	Employees, average weekly hours worked, Table 3.7	58
Statistical districts	11	Experience	63
Statistical divisions	10	Framework, Figure 4	49
<b>Government</b>		Growth in the number of employees by sector (graph)	62
Constitution, the	14	Industrial disputes	68
Electors on rolls, Table 1.5	15	Industrial disputes, working days lost, Table 3.15	68
LOCAL GOVERNMENT		Labour Costs	61
Statistical local area boundary changes, Table 2.7	32	Labour Force status and educational attainment	64
Local government	16	Labour mobility	64
Rateable properties, Table 1.6	17	Participation rate	55
Victorian departments and statutory authorities	16	Participation rates by age (graph)	56
Victorian representation in the Commonwealth Parliament	16	Persons employed at home	63
Gross Domestic Product (GDP) - see National Accounts	93	Regions, Melbourne Statistical Division, Figure 5(b)	53
<b>H</b>		Regions, Victoria, Figure 5(a)	53
Home purchase assistance - see Construction	185	Superannuation	64
Hospitals - see Health	78	Total labour costs per employee by industry (graph)	61
Household Expenditure - see Commerce	152	Trade union membership	70
Housing - see Construction	173	Trade union membership, Table 3.16	69
<b>I</b>		Underemployed workers	67
Imports and exports - see Commerce	154	Unemployed persons by age and sex, Table 3.3	52
Industrial disputes - see Labour force	68	Unemployment rates, Victoria and Australia (graph)	51
International Labour Organisation	48	Weekly earnings by age, Table 3.11	63
<b>L</b>		Whether looking for full-time or part-time work, Table 3.2	51
<b>Labour force</b>		Youth unemployment	48
Average weekly earnings, Table, 3.9	60	Local government - see Government	16
Award rates of pay: annual change by gender (graph)	58	Local government, finance - see Finance, Public. Revenue and outlay, Table 9.6	168
Civilian population over 15 years by labour force status		<b>M</b>	
Victorian regions, Table 3.5	54	<b>Manufacturing</b>	
Civilian population aged 15 years and over, Labour Force Status, Table 5.9	102	Articles manufactured, Table 7.17	140
Discouraged job seekers	68	Employment	128
Earnings and hours	58	ESTABLISHMENTS	
Employed persons by age, Table 3.1	50	activity, details for Victoria, 1901 to 1967-68, Table 7.1	131
Employed persons by industry as a percentage of total persons employed, Table 5.7	101	activity, details for Victoria, 1968-69 to 1987-88, Table 7.2	131
Employed persons by industry, Victoria as a percentage of Australia, Table 5.8	101	by industry subdivision, percentage of Australian totals, Table 7.4	132
Employed persons, industry by occupation, Table 3.6	57	by industry subdivision, Table 7.3	132
Employed wage and salary earners by industry, Table 3.8	59	details of, by States and Territories, Table 7.5	133
Employed wage and salary earners by sector, Table 3.10	61	details of, by statistical divisions, Table 7.15	138
		indexes of selected financial variables, (graph)	129



number of, by industry subdivision, Table 7.6	134	GDP (at factor cost) by Industry, Victoria and Australia, Table 5.3	96
number of persons employed, Table 7.7	134	GDP (at factor cost) by State and Territory, Table 5.2	95
persons employed by industry sub- division, Table 7.8	134	GDP (at factor cost) Victoria as a percentage of Australia, Table 5.4	97
purchases, transfers in, and selected items of expense by industry sub- division, Table 7.12	136	GDP (at factor cost), Transport, Storage and Communication Industry, Table 11.1	188
selected variables by industry subdivision, percentage of Australian totals (graph)	133	Individual industries as a percentage of GDP (at factor cost) (graph)	99
stocks by industry sub-division, Table 7.13	137	Individual industries as a percentage of GDP (at factor cost), Victoria and Australia, Table 5.5	98
turnover by industry subdivision, Table 7.11	136	<b>O</b>	
type of employment by industry subdivision, Table 7.10	135	Oil and gas - see Mining	140
type of employment, Table 7.9	135	<b>P</b>	
value added by industry subdivision, Table 7.14	138	<b>Population</b>	
Major industries	130	Age distribution	18
Melbourne Statistical Division (MSD)	129	Age distribution of the population, Victoria, 30 June 1986, Table 2.3	24
Number of establishments	128	Age of Aboriginals and Torres Strait Islanders, Victoria, Table 2.5	26
Turnover and value added	129	Ancestry	21
Wages and salaries	130	Ancestry of the population by sex Table 2.21	46
Marriages - see Population, Vital statistics	19	Area, estimated resident population, and population density of States and Territories, Table 2.1	21
Melbourne Statistical Division, Figure 6	Facing page 57	Birthplace by age group and sex, Table 2.16	43
Medicare - see Health	78	Citizenship	20
<b>Mining</b>		components of Population Increase, Victoria Table 2.9	35
Activity, details of, Table 7.18	141	Increase	18
Brown coal	140	Population Distribution, Victoria Table 2.2	21
Estimated hydrocarbon reserves, Table 7.21	142	Religion	21
Gold	141	Religious denomination of the population Table 2.22	46
Mineral production and value, Table 7.23	142	Resident population (estimated) in statistical local areas, Table 2.6	26
Mineral production, Table 7.22	142	Urban Centres and localities in size order Table 2.8	33
Oil and gas	140	<b>VITAL STATISTICS</b>	
crude oil production Table 7.20	141	births	19
royalties from oil and gas, Table 7.19	141	confinements and births, Table 2.11	36
Overview	140	deaths	19
Stone production, Table 7.24	142	summary of, Table 2.12	38
Motor accidents - see Transport	192	divorces	19
Motor vehicles - see Transport	190	summary of, Table 2.14	41
		marriages	19
		summary of, Table 2.13	40
<b>N</b>			
<b>National Accounts</b>			
Aggregates, Victoria and Australia, Table 5.1	94		
Farm income, Table 6.2	105		
GDP (at factor cost) Agriculture, Forestry, Fishing and Hunting Industry, Table 6.1	105		

- Vital statistics - Summary,  
Table 2.10 35
- Postal services - see  
Communications 196
- Prisoners and prisons - see Crime and  
Justice 89
- R**
- Retail price index - see Commerce 149
- Retail trade - see Commerce 147
- Road traffic accidents - see Transport 192
- Roads and bridges - see Transport 191
- Roads, length of - see Transport 190
- S**
- Schools - see Education 72
- Social statistics - see Chapter 4 72
- Social welfare**
- Benefits 85
- COMMUNITY SERVICES VICTORIA  
programs, Table 4.15 85
- Income support 85
- Pensions 85
- Stock Exchange of Melbourne - see  
Finance 160
- T**
- Telephone services - see  
Communications 196
- Tertiary education - see Education 72
- Tourism**
- Hotels, motels and guest houses with  
facilities 197
- Trade unions - see Labour 70
- Transition from education to work 64
- Transport**
- Air transport 195
- Melbourne (Tullamarine) airport,  
particulars of, Table 11.13 195
- regular domestic interstate air services  
terminating in Victoria,  
Table 11.14 195
- Bus 190
- Country and provincial road passenger  
services, Table 11.4 189
- Metropolitan transport 188
- Motor vehicles on register, Table 11.7 191
- operations and services, Metropolitan  
Transit Authority, Table 11.2 188
- Rail 189
- Railways traffic, Table 11.3 189
- ROAD TRAFFIC ACCIDENTS
- fatal accidents and persons killed,  
Victoria, 1967 to 1987 (Graph) 193
- involving casualties, ages of persons  
killed or injured, Table 11.12 195
- involving casualties, number of persons  
killed or injured, Table 11.9 192
- involving casualties, type of road user  
killed or injured, Table 11.11 194
- involving casualties, Victoria as a  
percentage of Australia,  
Table 11.10 194
- persons killed by type of road user,  
Victoria 1987 (graph) 194
- persons killed per 100,000 mean  
population, 1967 to 1987 (graph) 193
- Roads and bridges, expenditure on,  
Table 11.6 191
- Roads and motor vehicles 190
- Roads and streets, length of,  
Table 11.5 190
- U**
- Unemployment - see Labour 48
- Universities - see Education 72
- V**
- Victorian Statistical Divisions, Figure 3  
Between pages 22 and 23
- W**
- Wage and salary earners - see Labour 59
- Warrnambool - Premier Town 1
- Warrnambool - Statistical highlights 4
- Y**
- Youth unemployment - see labour 48





ISSN 0067-1223

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